MARCH, 1945 NUMBER 412

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND
FIFTY-FIRST SESSION

THE GENERAL CATALOGUE

CATALOGUE ISSUE
1944-1945

Announcements for the Session
1945-1946

THE UNIVERSITY OF NORTH CAROLINA PRESS
CHAPEL HILL, N. C.

1945

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CATALOGUE OF EVENTS

This is published subject to any changes made necessary by developing emergencies.

1945	SESSION 1945-1946
June 23-25	*Saturday-Monday.* Commencement Exercises.
June 26-July 1	*Tuesday-Saturday.* Summer Recess.
	SUMMER SEMESTER
July 2-3	*Monday-Tuesday.* Registration for First Summer Term.
July 4	*Wednesday.* Classwork begins.
Aug. 25	*Saturday.* Last Day of Classes, First Term.
Aug. 27-28-29	*Monday-Tuesday-Wednesday.* Examinations, according to schedule.
Aug. 30-Sept 2	*Thursday-Sunday.* Inter-term Recess.
Aug. 31-Sept. 1	*Friday-Saturday.* Examinations to remove condition grades.
Sept. 3	*Monday.* Registration for Second Summer Term.
Sept. 4	*Tuesday.* Classwork begins.
Oct. 12	*Friday.* University Day.
Oct. 22	*Monday.* Last Day of Classes, Second Term.
Oct. 23-24-25-26	*Tuesday-Friday.* Examinations, according to schedule.

All V-12 Classes operating throughout the entire sixteen weeks term will hold examinations on October 23-24-25-26.

Oct. 27-Nov. 1	*Saturday-Thursday.* Autumn Recess.
Oct. 31-Nov. 1	*Wednesday-Thursday.* Examinations to remove condition grdaes.
	WINTER SEMESTER
Nov. 2-3	*Friday-Saturday.* Registration for Winter Semester.
Nov. 5	*Monday.* Classwork begins.
Dec. 20	*Thursday.* Last day of classes before Christmas.
Dec. 21-30	*Friday-Sunday.* Christmas Recess.
Dec. 31	*Monday.* Classwork resumed.
1946	
Feb. 21	*Thursday.* Last Day of Classes, Winter Semester.
Feb. 22-27	*Friday-Wednesday.* Examinations, according to schedule.
Feb. 28	*Thursday.* Winter Commencement.
March 1-5	*Friday-Tuesday.* Winter Recess.
	SPRING SEMESTER
March 6-7	*Wednesday-Thursday.* Registration for Spring Semester.
March 8	*Friday.* Classwork begins.
June 18	*Tuesday.* Last day of classes, Spring Semester.
June 19-24	*Wednesday-Monday.* Examinations according to schedule.
June 25	*Tuesday.* Commencement.
June 26-July 4	*Wednesday-Thursday.* Spring Recess.
	SUMMER SEMESTER
July 5-6	*Friday-Saturday.* Registration for Summer Term.
July 8	*Monday.* Classwork begins.

PART ONE

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The North Carolina State College of Agriculture and Engineering of the University of North Carolina, Raleigh
The Woman's College of the University of North Carolina, Greensboro

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ALEXANDER BOYD ANDREWS, Secretary.

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Class of 1948

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Class of 1952

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ALEXANDER B. ANDREWS, Secretary of the Board.

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JOSEPH MELVILLE BROUGHTON, Governor, 1941-1945.
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JOHN BARTLETT FEARING.....Bertie

Battle Applewhite Hocutt.....Johnston
Ira Thomas Johnston.....Ashe
John Hosea Kerr, Sr.....Warren
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Mark C. Lassiter.....Greene
Willie Lee Lumpkin.....Franklin
George Lafayette Lyerly.....Catawba
Henry Burwell Marrow.....Johnston
Lennox Polk McLendon.....Guilford
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Walter Murphy.....Rowan
Haywood Parker.....Buncombe
Clarence Poe.....Wake
James Turner Pritchett.....Caldwell
Carl A. Rudisill.....Gaston
George Stephens.....Buncombe
William H. Sullivan.....Guilford
Fred Isler Sutton.....Lenoir
Hoyt Patrick Taylor.....Anson
John Wesley Umstead, Jr.....Orange
Lionel Weil.....Wayne
Charles Whedbee.....Perquimans

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Miss Annie Moore Cherry.....Halifax
David Clark.....Mecklenburg
James Hector Clark.....Bladen
Clyde Kinchen Councill.....Columbus
Josephus Daniels.....Wake
Benjamin Bryant Everett.....Halifax
Mrs. Sue Ramsey Johnston Ferguson.....Alexander
James Skinner Ficklen.....Pitt
James Alexander Gray.....Forsyth
Reginald Lee Harris.....Person
William Edwin Horner.....Lee
Hugh Horton.....Martin
Robert Eugene Little.....Anson
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Thomas Jenkins Pearsall.....Nash
Julian Hawley Poole.....Moore
John Albert Pritchett.....Bertie
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Foy Roberson.....Durham
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Walter Frank Taylor.....Wayne
Mrs. May Lovelace Tomlinson.....Guilford

FITZHUGH ERNEST WALLACE.....Lenoir
GRAHAM WOODARD.....Wilson

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ALEXANDER BOYD ANDREWS.....Wake
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KEMP DAVIS BATTLE.....Nash
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CHARLES ALBERT CANNON.....Cabarrus
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RAYMOND MAXWELL.....Craven
REID ATWATER MAYNARD.....Alamance
ANDREW LEE MONROE.....Wake
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ROBERT WRIGHT PROCTOR.....McDowell
RICHARD JOSHUA REYNOLDS.....Forsyth
BENJAMIN FRANKLIN ROYAL.....Carteret
WILLIAM BURDER SHUFORD.....Catawba
MISS GRACE PEMBERTON TAYLOR.....Stokes

Class of April 1, 1953

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SAMUEL MASTERS BLOUNT.....Beaufort
VICTOR SILAS BRYANT.....Durham
MISS GERTRUDE CARRAWAY.....Craven
JOHN WASHINGTON CLARK.....Randolph
COLLIER COBB, JR.....Orange
GEORGE S. COBLE.....Davidson
MRS. LAURA WEILL CONE.....Guilford
JOHN GILMER DAWSON.....Lenoir
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WILLIAM BRADLEY UMSTEAD.....Durham

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(A consolidation of The University at Chapel Hill, The State College of Agriculture and Engineering at Raleigh, and The Woman's College at Greensboro)

(Office at Chapel Hill)

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EUGENE TUCKER MCEVER, *Head Coach of Football*

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HARRY FULCHER COMER, M.A., *General Secretary of the Y.M.C.A.*

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* Absent on leave in military service. During Dean Spruill's absence his duties have been performed by Messrs. M. A. Hill first and now by Cecil Johnson.

** Absent on leave in service.

†† From April, 1944.

† Absent on leave from April, 1944.

‡ Absent on leave in government service, January-June, 1945.

§ Service began March, 1945.

EDWIN SIDNEY LANIER, *Director of Student Aid and Director of the Office of Records*
RICHARD HILLIARD GAYLORD, *Associate Director of Testing Service*
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MRS. CATHERINE FERRELL, *Secretary of the Y.W.C.A.*

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JAMES ARTHUR BRANCH, *Supervisor of Auxiliary Enterprises*
JAMES ALLAN WILLIAMS, A.B., LL.B., *Administrative Assistant to the Business Manager*

¶ Absent on leave from 15 May 1944.
* Absent on leave in service.
** Resigned 15 December 1944.
‖ Acting Registrar from 15 May 1944.
‡ From 15 May 1944.

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*ARTHUR RUSSELL HOLLETT, S.M. in C.E., R.E., *Supervisor of the Physical Plant*
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GLEN HAYDON, Ph.D., *Director*

Person Hall Art Gallery

*JOHN VOLNEY ALLCOTT, M.A., *Director*
**HARRIET DYER ADAMS, M.A., *Acting Director and Curator*

* Absent on leave in service.
** Resigned December, 1944.

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(1944-1945)

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A.B., 1909 (North Carolina); M.A., 1916 (Columbia); LL.D. (Birmingham-Southern, Davidson, Duke, William and Mary, Wake Forest); D.C.L. (Catawba); D.Litt. (Columbia).

ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor, and Vice-President of The University of North Carolina*
A.B., 1916 (North Carolina); A.M., 1917 (Harvard); LL.D. (Catawba).

Note: Names in alphabetical order

PEYTON BRYANT ABBOTT, A.B., LL.B., *Assistant Director of the Institute of Government.*
A.B., 1929, LL.B., 1931 (North Carolina).

†HARRIET DYER ADAMS, A.M., *Instructor in Art.*
A.B., 1933 (Michigan); A.M., 1937 (New York University).

JOSEPH EDISON ADAMS, Ph.D., *Associate Professor of Botany.*
Ph.G., 1925, Ph.Ch., 1927 (College of Pharmacy, Columbia); B.S., 1929 (Michigan); M.A., 1932 (Columbia); Ph.D., 1935 (California).

NICHOLSON BARNEY ADAMS, Ph.D., *Professor of Spanish.*
A.B., 1915 (Washington and Lee); M.A., 1920, Ph.D., 1922 (Columbia).

RAYMOND WILLIAM ADAMS, Ph.D., *Professor of English.*
A.B., 1920 (Beloit College); A.M., 1921, Ph.D., 1928 (North Carolina).

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A.B., 1909 (Kentucky); Ph.D., 1932 (Chicago).

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Ph.B., 1928 (Wisconsin); M.A., 1936 (Chicago).

JOHN HOWARD ANDERSON, S.B. in Chem., *Part-time Instructor in Chemistry.*
S.B. in Chemistry, 1944 (North Carolina).

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A.B., 1940 (Bridgewater College); A.M., 1944 (North Carolina).

**JAMES CLARENCE ANDREWS, Ph.D., *Professor of Biological Chemistry and Nutrition.*
B.S. in Chem., 1915 (Iowa); Ph.D., 1918 (Columbia).

MARGARET ASHBY, B.S., *Instructor in Psychology.*
B.S., 1939 (Martha Washington College).

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* Absent on leave in service.
** Absent on leave, fall 1944.
† Resigned, December, 1944.

ENGLISH BAGBY, Ph.D., *Professor of Psychology.*
A.B., 1913, A.M., 1914 (Princeton); Ph.D., 1918 (Johns Hopkins).

‡JAMES OSLER BAILEY, Ph.D., *Associate Professor of English.*
A.B., 1924, A.M., 1927, Ph.D., 1934 (North Carolina).

HERMAN GLENN BAITY, Sc.D., *Professor of Sanitary and Municipal Engineering.*
A.B., 1917, S.B. in C.E., 1922 (North Carolina); S.M., 1925, Sc.D., 1928 (Harvard).

†JAMES WORTH BANNER, B.S., *Instructor in Spanish.*
B.S., 1930 (Roanoke College).

*ABRAM GUSTAVUS BAYROFF, Ph.D., *Assistant Professor of Psychology.*
A.B., 1927 (New York University); A.M., 1929, Ph.D., 1931 (North Carolina).

*HOWARD KENNEDY BEALE, Ph.D., *Professor of History.*
Ph.B., 1921 (Chicago); A.M., 1922, Ph.D., 1927 (Harvard).

GLADYS ANGEL BEARD, M.A., *Assistant Professor of Health and Physical Education and Director of Physical Education for Women.*
Certificate in Hygiene, 1918 (Wellesley College); B.S., 1923, M.S., 1930 (Teachers College, Columbia).

JOHN GROVER BEARD, Ph.G., Ph.M., *Professor of Materia Medica and Dean of the School of Pharmacy.*
Ph.G., 1909 (North Carolina); Ph.M. (Philadelphia College of Pharmacy).

EDGAR T. BEDDINGFIELD, JR., B.S., *Part-time Instructor in Pharmacology.*

CHARLES DALE BEERS, Ph.D., *Professor of Zoology.*
A.B., 1921, A.M., 1922 (North Carolina); Ph.D., 1925 (Johns Hopkins).

*EDWARD MORRIS BERNSTEIN, Ph.D., *Professor of Economics.*
Ph.B., 1927 (Chicago); A.M., 1928, Ph.D., 1930 (Harvard).

WALTER REECE BERRYHILL, A.B., M.D., *Professor of Medicine and Dean of the School of Medicine.*
A.B., 1921 (North Carolina); M.D., 1927 (Harvard).

GORDON WILLIAMS BLACKWELL, Ph.D., *Professor of Sociology and Director of the Institute for Research in Social Science.*
A.B., 1932 (Furman); A.M., 1933 (North Carolina); A.M., 1937, Ph.D., 1940 (Harvard).

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* Absent on leave in government service.
† Absent on leave in military service.
‡ Absent on leave, 1 March to 1 September 1945.

**JAMES CYRIL DICKSON BLAINE, Ph.D., *Assistant Professor of Business Administration.*
B.Comm., 1934 (Queen's University, Canada); S.M., 1939, Ph.D., 1941 (North Carolina).

JOHN FRIES BLAIR, A.B., LL.B., *Assistant Director of the Institute of Government.*
A.B., 1924 (Haverford College); LL.B., 1928 (Harvard).

LOIS MAGDALENE BLANCHETTE, B.A., *Instructor in Physical Education.*
B.A., 1935 (Texas State College for Women).

MARGARET BLEE, M.Ed., *Assistant Professor of Maternal and Child Hygiene.*
B.S., 1933 (Missouri); M.Ed., 1941 (Mills College).

†RALPH STEELE BOGGS, Ph.D., *Professor of Spanish.*
Ph.B., 1926, Ph.D., 1930 (Chicago).

**RICHMOND PUGH BOND, Ph.D., *Professor of English.*
A.B., 1920 (Vanderbilt); A.M., 1923, Ph.D., 1929 (Harvard).

*ALLEN THOMAS BONNELL, Ph.D., *Assistant Professor of Economics.*
B.A., 1933, M.A., 1934 (Oberlin College); Ph.D., 1937 (Illinois).

JOHN MANNING BOOKER, Ph.D., *Professor of English.*
A.B., 1901 (Johns Hopkins); Ph.D., 1912 (Heidelberg).

**ARNOLD BORDEN, A.B., *Instructor in Art.*
A.B., 1937 (North Carolina).

RALPH WALTON BOST, Ph.D., *Smith Professor of Chemistry.*
A.B., 1923 (Newberry); A.M., 1924, Ph.D., 1928 (North Carolina).

FRANCIS FOSTER BRADSHAW, Ph.D., *Dean of the College for War Training and Professor of Philosophy.*
A.B., 1916 (North Carolina); M.A., 1926, Ph.D., 1930 (Columbia).

**HENRY PARKER BRANDIS, JR., A.B., LL.B., *Associate Professor of Law.*
A.B., 1928 (North Carolina); LL.B., 1931 (Columbia).

ALFRED THEODOR BRAUER, Ph.D., *Associate Professor of Mathematics.*
Ph.D., 1928 (Berlin).

EDWARD ARMOND BRECHT, Ph.D., *Associate Professor of Pharmacy.*
B.S. in Pharmacy, 1933, M.S., 1934, Ph.D., 1939 (Minnesota).

MILLARD BRECKENRIDGE, Ph.B., LL.B., *Professor of Law.*
Ph.B., 1917 (Chicago); LL.B., 1918 (Yale).

---

* Absent on leave in government service.
** Absent on leave in military service.
† Absent on leave, February, 1945-March, 1946.

‡LEE MARSHALL BROOKS, Ph.D., *Associate Professor of Sociology.*
A.B., 1925 (Boston); A.M., 1926, Ph.D., 1929 (North Carolina).

**CLARK EDWARD BROWN, B.S., M.D., *Associate Professor of Pathology.*
B.S., 1926 (St. Lawrence); M.S., 1930 (Pennsylvania).

ROY MELTON BROWN, Ph.D., *Professor of Public Welfare Administration and Director of the Division of Public Welfare and Social Work.*
A.B., 1906, A.M., 1921, Ph.D., 1929 (North Carolina).

EDWARD TANKARD BROWNE, Ph.D., *Professor of Mathematics.*
B.A., 1915, M.A., 1917 (Virginia); Ph.D., 1926 (Chicago).

ROBERT WILLARD BROWNING, M.A., *Lecturer in Physics.*
A.B., 1934 (College of the Pacific); M.A., 1936 (California).

*HARRY DAVIS BRUNER, M.D., Ph.D., *Assistant Professor of Physiology.*
S.B., 1932, M.D., 1934, S.M., 1936 (Louisville); Ph.D., 1939 (Chicago).

*DANIEL HOUSTON BUCHANAN, Ph.D., *Professor of Economics.*
Litt.B., 1909 (Sterling College); A.B., 1911 (Colorado College); A.M., 1912 (Harvard); D.Sc.Econ., 1928 (Keiogijuku Univ., Tokyo); Ph.D., 1931 (Harvard).

JAMES BELL BULLITT, A.M., M.D., *Professor of Pathology.*
B.A., 1894, M.A., 1895 (Washington and Lee); M.D., 1897 (Virginia).

WILLIAM GREEN BURKS, M.A., *Instructor in Spanish.*
A.B., 1928 (Mississippi); M.A., 1935 (Alabama).

HENRY MATTHEW BURLAGE, Ph.D., *Professor of Pharmacy.*
A.B., 1919 (Indiana); A.M., 1921 (Harvard); Ph.G., B.S. in Pharm., 1924 (Purdue); Ph.D., 1927 (Washington).

ROBERT BURROWS, A.M., *Assistant Professor of Dramatic Art and Technical Director of the Carolina Playmakers.*
A.B., 1928 (College of Puget Sound); A.M., 1940 (Washington).

WALLACE EVERETT CALDWELL, Ph.D., *Professor of Ancient History.*
A.B., 1910 (Cornell); Ph.D., 1919 (Columbia).

**EDWARD ALEXANDER CAMERON, Ph.D., *Associate Professor of Mathematics.*
A.B., in Education, 1928, A.M., 1929, Ph.D., 1936 (North Carolina).

FRANK KENNETH CAMERON, Ph.D., *Professor of Chemistry.*
A.B., 1891, Ph.D., 1894 (Johns Hopkins).

MASTON THOMAS CARLISLE, M.S., *Lecturer in Physics.*
B.S., 1907 (South Carolina); M.S., 1914 (Vanderbilt).

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‡ Absent on leave, spring semester, 1945.
* Absent on leave in government service.
** Absent on leave in military service.

DUDLEY DEWITT CARROLL, M.A., *Professor of Economics and Dean of the School of Commerce.*
A.B., 1907 (Guilford); A.B., 1908 (Haverford); M.A., 1915 (Columbia).

HEZEKIAH WYNDOL CARROLL, B.S., *Associate Professor of Naval Science and Tactics.*
B.S., 1921 (U. S. Naval Academy).

*JOHN ERWIN CARROLL, JR., A.M., *Instructor in Romance Languages.*
B.S., 1923 (The Citadel); A.M., 1928 (North Carolina).

ISABELLE KIRKLAND CARTER, B.S., M.S.S., *Associate Professor of Social Work.*
B.S., 1924 (Boston); M.S.S., 1925 (Smith College School of Social Work).

LOUIS ASHWORTH CHERRY, B.A., S.B. in L.S., *Librarian and Assistant Director of the Institute of Government.*
B.A., 1940 (Wake Forest College); S.B. in Libr. Sci., 1941 (Drexel Institute of Technology).

CALVIN ANDRÉ CLAUDEL, A.B., A.M., *Instructor in French.*
A.B., 1931, A.M., 1932 (Tulane).

ALBERT COATES, A.B., LL.B., *Professor of Law and Director of the Institute of Government.*
A.B., 1918 (North Carolina); LL.B., 1923 (Harvard).

**FREDERIC EDWARD COENEN, Ph.D., *Assistant Professor of German and Adviser in the General College.*
A.B., 1928, A.M., 1930 (Arizona); Ph.D., 1936 (North Carolina).

OSCAR JACKSON COFFIN, A.B., *Professor of Journalism.*
A.B., 1909 (North Carolina).

GEORGE RALEIGH COFFMAN, Ph.D., *Kenan Professor of English.*
A.B., 1903 (Drake); A.M., 1909 (Harvard); Ph.D., 1913 (Chicago).

ROBERT ERVIN COKER, Ph.D., *Kenan Professor of Zoology.*
S.B., 1896, A.M., 1897 (North Carolina); Ph.D., 1906 (Johns Hopkins).

WILLIAM CHAMBERS COKER, Ph.D., LL.D., *Kenan Research Professor of Botany.*
B.S., 1894 (South Carolina); Ph.D., 1901 (Johns Hopkins); LL.D. (South Carolina).

ROBERT DIGGES WIMBERLY CONNOR, Ph.B., LL.D., D.Litt., *Craige Professor of Jurisprudence and History.*
Ph.B., 1899 (North Carolina); LL.D., (Duke, North Carolina); D.Litt. (Lenoir-Rhyne).

ALBERT DERWIN COOPER, A.B., M.D., *Instructor in Medicine.*
A.B., 1932, M.D., 1931 (George Washington).

---

* Absent on leave in military service.
** Absent on leave in government work, winter semester, 1944-1945.

*OLIVER KELLY CORNWELL, M.A., *Professor of Physical Education and Director of Physical Education for Men.*
A.B., 1920 (Wittenberg College); M.A., 1929 (Ohio State).

DONALD PAUL COSTELLO, Ph.D., *Professor of Zoology.*
A.B., 1930 (College of the City of Detroit); Ph.D., 1934 (Pennsylvania).

LYMAN ATKINSON COTTEN, Ph.D., *Instructor in English.*
A.B., 1936 (North Carolina); Ph.D., 1941 (Yale).

JOHN NATHANIEL COUCH, Ph.D., *Professor of Botany.*
A.B., 1919, A.M., 1922, Ph.D., 1924 (North Carolina).

DUDLEY JOHNSTONE COWDEN, Ph.D., *Professor of Economics.*
A.B., 1919 (Grinnell College); A.M., 1922 (Chicago); Ph.D., 1931 (Columbia).

ARTHUR GIBBS CRAFTS, M.S., *Lecturer in Physics.*
A.B., 1914 (Georgia); M.S., 1937 (Cornell).

HARDIN CRAIG, Ph.D., Litt.D., *Professor of English.*
A.B., 1897 (Centre College); A.M., 1899, Ph.D., 1901 (Princeton); Litt.D. (Centre College).

HARRY WOLVEN CRANE, Ph.D., *Professor of Psychology and Psychological Consultant.*
A.B., 1909, A.M., 1910, Ph.D., 1913 (Michigan).

**WALTER DEVEREAUX CREECH, A.M., *Instructor in French.*
A.B., 1928, A.M., 1930 (North Carolina); Certificate, University of Lyons (1932), University of Bordeaux (1933).

**HORACE DOWNS CROCKFORD, Ph.D., *Professor of Chemistry.*
B.S., 1920 (N. C. State College of Agriculture and Engineering); S.M., 1923, Ph.D., 1926 (North Carolina).

LUCILE CULBERT, A.B., *Instructor in Dramatic Art.*
A.B., 1941 (North Carolina).

JAY LEUMAS CURTIS, A.M., *Instructor in English.*
A.B., 1938, A.M., 1942 (North Carolina).

†JOHN PERCY DALZELL, A.B., LL.B., *Associate Professor of Law.*
A.B., 1922, LL.B., 1924 (Minnesota).

JERRY DANIEL, A.M., *Instructor in Psychology.*
A.B., 1936 (Antioch College); A.M., 1941 (North Carolina).

WILLIAM JOHN DANIEL, Ph.D., *Assistant Professor of Psychology.*
A.B., 1938 (Antioch College); Ph.D., 1941 (North Carolina).

JOHN FREDERICK DASHIELL, Ph.D., *Kenan Professor of Psychology.*
B.S., 1908, B.Litt., 1909 (Evansville College); M.A., 1910, Ph.D., 1913 (Columbia).

**HARRY ELLERBE DAVIS, M.A., *Assistant Professor of Dramatic Art and Assistant Director of the Carolina Playmakers.*
A.B., 1927 (South Carolina); M.A., 1940 (Columbia).

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* Absent on leave in government service, January-June, 1945.
** Absent on leave in military service.
† Absent on leave in government service.

JAMES HORTON DAVIS, B.S., *Instructor in Chemistry.*
B.S., 1931 (Murfreesboro State College).

WILLIAM MORTON DEY, Ph.D., *Kenan Professor of the Romance Languages and Literatures.*
B.A., M.A., 1902 (Virginia); A.M., 1904, Ph.D., 1906 (Harvard).

NESTORE DI COSTANZO, A.M., *Technician in Physics.*
A.B., 1935, A.M., 1940 (North Carolina).

JAMES TALMAGE DOBBINS, Ph.D., *Professor of Chemistry.*
A.B., 1911, A.M., 1912, Ph.D., 1914 (North Carolina).

JOHN ROBERT DOYLE, M.A., *Lecturer in Physics.*
M.A., 1937 (Virginia).

BERTRAM MORRIS DRUCKER, A.B., *Instructor in Mathematics and Psychology.*
A.B., 1940 (North Carolina).

*FRANK MARION DUFFEY, A.M., *Instructor in French.*
A.B., 1938 (Miami); A.M., 1940 (North Carolina).

||WILLIAM CLYDE DUNN, A.B., *Acting Assistant Professor of Political Science.*
A.B., 1931 (North Carolina).

WARREN ETHAN DURIN, B.S., *Assistant Professor of Naval Science and Tactics.*
B.S., 1933 (Northwestern).

JOHN EDWARD DYKSTRA, C.E., M.B.A., D.C.S., *Associate Professor of Business Administration.*
C.E., 1930 (Rennselaer); M.B.A., 1932, D.C.S., 1936 (Harvard).

MARY ALICE EATON, Ph.D., *Visiting Lecturer in Public Health.*
B.A., 1934 (Wellesley College); A.M., 1936 (Chicago); Ph.D., 1940 (North Carolina).

FLOYD HARRIS EDMISTER, Ph.D., *Associate Professor of Chemistry and Adviser in the General College.*
B.S., 1912 (Syracuse); M.S., 1913 (Louisiana State); Ph.D., 1918 (Syracuse).

*CAREY DEWITT ELDRIDGE, A.M., *Instructor in French.*
B.A., 1935 (Virginia); A.M., 1937 (North Carolina).

FRED W. ELLIS, Ph.D., *Assistant Professor of Pharmacology.*
B.S., 1936 (South Carolina); Ph.D., 1941 (Maryland).

STEPHEN ALBERT EMERY, Ph.D., *Professor of Philosophy.*
A.B., 1923, Ph.D., 1928 (Cornell).

SAMUEL THOMAS EMORY, Ph.D., *Associate Professor of Geology.*
A.B., 1917, A.M., 1918 (Randolph-Macon College); M.A., 1921 (Columbia); Ph.D., 1939 (Chicago).

---

* Absent on leave in military service.
|| Absent on leave in government service.

*WILLIAM LOUIS ENGELS, Ph.D., *Associate Professor of Zoology.*
B.S., 1930 (Notre Dame); Ph.D., 1937 (California).

ALFRED GARVIN ENGSTROM, Ph.D., *Assistant Professor of French.*
A.B., 1933, A.M., 1935, Ph.D., 1941 (North Carolina).

PRESTON HERSCHEL EPPS, Ph.D., *Professor of Greek.*
A.B., 1915, A.M., 1917 (North Carolina); Ph.D., 1928 (Chicago).

*CHARLES PERRY ERICKSON, B.S. in Civ. Eng'g. *Insrtuctor in Physical Education.*
B.S. in Civ. Eng'g., 1931 (North Carolina).

FRANKLIN CARL ERICKSON, Ph.D., *Associate Professor of Geology.*
A.B., 1928, A.M., 1930, Ph.D., 1935 (Clark).

ESTON EVERETT ERICSON, Ph.D., *Professor of English.*
B.A., 1923 (Montana); M.A., 1925 (Maryland); Ph.D., 1928 (Johns Hopkins).

**JAMES GILBERT EVANS, M.A., *Associate Professor of Economics.*
A.B., 1921 (Simpson College); M.A., 1924 (Illinois).

PRESTON COOKE FARRAR, M.A., *Professor Emeritus of Education.*
A.B., 1891 (Washington and Jefferson College); M.A., 1904 (Columbia).

JOHN EDWARD FARRIOR, A.M., *Instructor in English.*
A.B., 1939, A.M., 1944 (North Carolina).

JOHN HOWARD FERGUSON, M.A., M.D., L.M.S.S.A., *Professor of Physiology.*
B.A., 1921 (Capetown); B.A., 1925, M.A., 1931 (Oxford); M.D., 1928 (Harvard); L.M.S.S.A., 1931 (London).

**JAMES WILLIAM FESLER, Ph.D., *Associate Professor of Political Science.*
A.B., 1932 (Minnesota); A.M., 1933, Ph.D., 1935 (Harvard).

ROBERT ALLISON FETZER, B.S., M.A., B.S. in Ch. and E.E., *Director of Physical Education and Athletics.*
B.S., 1907, M.A., 1908 (Davidson College); B.S. in Ch. and E. Eng'g., 1909 (Clemson College).

*T. ROSS FINK, A.M., *Instructor in Education.*
A.B., 1926 (Swarthmore College); A.M., 1942 (North Carolina).

FOSTER FITZ-SIMONS, A.B., *Instructor in Dramatic Art.*
A.B., 1934 (North Carolina).

*RALPH GIBSON FLEMING, M.D., *Instructor in Medicine.*
M.D., 1936 (Pennsylvania).

WILLIAM LEROY FLEMING, B.A., M.S., M.D., *Research Professor of Syphilology in the School of Public Health.*
B.A., 1925, M.S. in Bacteriology, 1927, M.D., 1932 (Vanderbilt).

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* Absent on leave in military service.
** Absent on leave in government service.

JOE SUMMERS FLOYD, JR., S.B.B.A., *Instructor in Economics.*
S.B. in Bus. Admin., 1943 (Florida).

GERALDINE ALMA FOSTER, A.M., *Assistant Dean of the College of Arts and Sciences.*
B.S., 1931 (St. Lawrence); A.M., 1942 (North Carolina).

JOHN MCIVER FOUSHEE, S.B. in Civ. Eng'g., *Lecturer in Mathematics.*
S.B. in Civ. Eng'g., 1926 (North Carolina).

FRANCES HILL FOX, A.B., M.D., *Instructor in Medicine.*
A.B., 1931 (Duke); M.D., 1935 (Pennsylvania).

*HERBERT JUNIUS FOX, A.B., M.D., *Instructor in Medicine.*
A.B., 1931 (North Carolina); M.D., 1935 (Duke).

*KEENER CHAPMAN FRAZER, A.M., *Professor of Political Science.*
A.B.. 1920 (Wofford College); A.M., 1921 (North Carolina).

WERNER PAUL FRIEDERICH, Ph.D., *Associate Professor of German and Comparative Literature.*
A.M., 1929, Ph.D., 1932 (Harvard).

*JOHN DAVID FROST, JR., A.M., *Instructor in French and Spanish.*
A.B., 1922 (The Citadel); A.M., 1935 (North Carolina).

*LANDON EDWARD FULLER, M.A., *Instructor in English.*
A.B., 1924 (Lynchburg College); M.A., 1926 (Virginia).

KARL HARTLEY FUSSLER, Ph.D., *Professor of Physics.*
A.B., 1909 (Indiana); Ph.D., 1916 (Pennsylvania).

LOFTON LEROY GARNER, A.M., *Associate Professor of Mathematics.*
A.B., 1925, A.M., 1927 (North Carolina).

MITCHELL BENNETT GARRETT, Ph.D., LL.D., *Professor of Modern European History.*
A.B., 1900. A.M., 1903 (Howard College); Ph.D., 1910 (Cornell); LL.D. (Howard College).

OSCAR DAVID GARVIN, M.D., M.P.H., *University Health Officer.*
M.D., 1932 (Medical College of the State of South Carolina); M.P.H., 1939 (Johns Hopkins).

ALBERT CLARKE GASKILL, S.B.Comm., *Instructor in Accounting.*
S.B.Comm., 1943 (North Carolina).

*ROBERT LYNN GAULT, A.M., *Instructor in Dramatic Art.*
B.A., 1937 (Hiram College); A.M., 1939 (North Carolina).

WESLEY CRITZ GEORGE, Ph.D., *Professor of Histology and Embryology.*
A.B., 1911, A.M., 1912, Ph.D., 1918 (North Carolina).

HUGO GIDUZ, A.B., *Professor of Education.*
A.B., 1905 (Harvard).

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* Absent on leave in military service.

SANFORD CHARLES GLADDEN, M.S., *Lecturer in Physics.*
B.A., 1924 (Mississippi); M.S., 1928 (Kentucky).

JAMES LOGAN GODFREY, Ph.D., *Assistant Professor of History and Adviser in the General College.*
A.B., 1931 (Roanoke College); A.M., 1933 (North Carolina); Ph.D., 1942 (Chicago).

*HAROLD BENEDICT GOTAAS, M.S., *Professor of Sanitary Engineering.*
B.S. in C.E., 1928 (South Dakota); M.S. in C.E., 1930 (Iowa State College); M.S. in San. Eng'g., 1937 (Harvard).

WILLIAM ALEXANDER GRAHAM, A.B., M.D., *Lecturer in Obstetrics.*
A.B., 1928 (North Carolina); M.D., 1932 (Pennsylvania).

CÉSAR GRAÑA, A.B., *Instructor in Spanish.*
A.B., 1940 (Lima).

DOROTHY BREWSTER GRAY, A.B., *Instructor in Psychology.*
A.B., 1941 (North Carolina).

**FLETCHER MELVIN GREEN, Ph.D., *Professor of History.*
Ph.B., 1920 (Emory); A.M., 1922, Ph.D., 1927 (North Carolina).

**PAUL ELLIOTT GREEN, A.B., *Professor of Dramatic Art.*
A.B., 1921 (North Carolina).

MAURICE HERZBERGER GREENHILL, A.B., M.D., *Visiting Assistant Professor of Mental Health.*
M.D. (Chicago).

ERNEST RUTHERFORD GROVES, B.D., A.B., Litt.D., *Professor of Sociology.*
B.D., 1901 (Yale); A.B., 1903 (Dartmouth College); Litt.D. (Florida Southern College).

FRANZ GUTMANN, D.Ec., *Lecturer in Economics.*
D.Ec., 1903 (Strassburg).

JOHN MINOR GWYNN, Ph.D., *Associate Professor of Education.*
A.B., 1918, A.M., 1927 (North Carolina); Ph.D., 1935 (Yale).

*MARGARET JARMAN HAGOOD, Ph.D., *Associate Professor of Sociology and Statistical Technician in the Institute for Research in Social Science.*
A.B., 1929 (Queens College); M.A., 1930 (Emory); Ph.D., 1937 (North Carolina).

JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., Litt.D., *Kenan Professor of American History and Political Science and Director of the Southern Collection.*
M.A., 1900 (University of the South); Ph.D., 1906 (Columbia); Litt.D. (University of the South, Washington and Lee).

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* Absent on leave in government service.
** Absent on leave, 1944-1945.

*FRANKLIN WILLIAMS HANFT, A.B., S.J.D., *Professor of Law.*
LL.B., 1924, A.B., 1929, LL.M., 1929 (Minnesota); S.J.D., 1931 (Harvard).

JAMES PENROSE HARLAND, Ph.D., *Professor of Archaeology.*
A.B., 1913, A.M., 1915, Ph.D., 1920 (Princeton).

WALTER DARE HARRELL, A.B., *Lecturer in Physics.*
A.B., 1926 (North Carolina).

EARL HORACE HARTSELL, Ph.D., *Assistant Professor of English.*
A.B., 1924, A.M., 1935, Ph.D., 1942 (North Carolina).

RUTH WARWICK HAY, M.S., *Professor of Public Health Nursing.*
B.A., 1916 (Ohio Wesleyan); M.S., 1925 (Western Reserve).

GLEN HAYDON, Ph.D., *Professor of Music.*
A.B., 1918, M.A., 1921 (California); Ph.D., 1932 (Vienna).

EDWARD EVERETT HAZLETT, JR., B.S., *Professor of Naval Science and Tactics.*
B.S., 1915 (U. S. Naval Academy).

BUNN HEARN, *Instructor in Physical Education.*

MILTON SIDNEY HEATH, Ph.D., *Professor of Economics.*
A.B., 1918 (Kansas); A.M., 1924, Ph.D., 1938 (Harvard).

EDWARD MCGOWAN HEDGPETH, A.B., M.D., *University Physician and Instructor in Surgery.*
A.B., 1927 (North Carolina); M.D., 1931 (Pennsylvania).

CLARENCE HEER, Ph.D., *Research Professor of Economics.*
A.B., 1914 (Rochester); Ph.D., 1926 (Columbia).

EMIL JOHN HELLUND, Ph.D., *Assistant Professor of Physics.*
B.S., 1935, Ph.D., 1939 (Washington).

ARCHIBALD HENDERSON, Ph.D., D.C.L., LL.D., Litt.D., *Kenan Professor of Mathematics.*
A.B., 1898, A.M., 1899, Ph.D., 1902 (North Carolina); Ph.D., 1915 (Chicago); D.C.L. (University of the South); LL.D. (Tulane, William and Mary); Litt.D. (Oglethorpe, Catawba).

JAMES PAISLEY HENDRIX, A.B., M.D., *Visiting Lecturer in Pharmacology.*
A.B., (Davidson College); M.D., (Pennsylvania).

GEORGE HENRY, Mus.M., *Lecturer in Physics.*
Mus.B., 1933, Mus.M., 1936 (American Conservatory of Music).

GUSTAVO RENÉ HERNANDEZ, A.M., *Instructor in Spanish.*
A.B., 1938 (Maryville College); A.M., 1944 (North Carolina).

HARRIET LAURA HERRING, A.M., *Associate Professor of Sociology.*
A.B., 1913 (Meredith College); A.M., 1918 (Radcliffe College).

ERVIN PAUL HEXNER, D.Pol.Sci., J.D., *Associate Professor of Political Science.*
D.Pol.Sci., 1918 (Kolozsvar); J.D., 1919 (Bratislava).

* Absent on leave in government service.

EDWIN PEELE HIATT, Ph.D., *Associate Professor of Physiology.*
A.B., 1933 (Wilmington College); M.A., 1934 (Haverford College); Ph.D., 1940 (Maryland).

THOMAS FELIX HICKERSON, A.M., S.B., *Professor of Applied Mathematics.*
Ph.B., 1904, A.M., 1907 (North Carolina); S.B. in Civ. Eng'g., 1909 (Massachusetts Institute of Technology).

*MICHAEL ARENDELL HILL, JR., A.M., *Professor of Mathematics and Adviser in the General College.*
A.B., 1920, A.M., 1921 (North Carolina).

ALLAN WILSON HOBBS, Ph.D., *Professor of Applied Mathematics and Dean of the College of Arts and Sciences.*
A.B., 1907 (Guilford College); A.B., 1908 (Haverford College); Ph.D., 1917 (Johns Hopkins).

RICHARD JUNIUS MENDENHALL HOBBS, A.B., LL.B., *Professor of Business Law.*
A.B., 1909 (Guilford College); A.B., 1911 (Haverford College); LL.B., 1914 (Columbia).

SAMUEL HUNTINGTON HOBBS, JR., Ph.D., *Professor of Rural Social-Economics.*
A.B., 1916, A.M., 1917 (North Carolina); Ph.D., 1929 (Wisconsin).

RUSSELL LOWELL HOLMAN, A.B., M.D., *Professor of Pathology.*
A.B., 1927 (Washington University); M.D., 1931 (Vanderbilt).

URBAN TIGNER HOLMES, JR., Ph.D., *Professor of Romance Philology.*
A.B., 1920 (Pennsylvania); A.M., 1921, Ph.D., 1923 (Harvard).

**GEORGE FREDERICK HORNER, Ph.D., *Assistant Professor of English.*
B.A., 1921, M.A., 1924 (Pennsylvania State College); Ph.D., 1938 (North Carolina).

**JOE HORRELL, M.A., *Instructor in English.*
A.B., 1936 (Murray State Teachers College); M.A., 1937 (Vanderbilt).

JOHN H. HOSPERS, Ph.D., *Instructor in Philosophy.*
A.B., 1939 (Central College); M.A., 1941 (Iowa); Ph.D., 1944 (Columbia).

HENRY CHARLES HOUSE, JR., A.M., *Instructor in Physical Education.*
A.B., 1931, A.M., 1943 (North Carolina).

ALMONTE CHARLES HOWELL, Ph.D., *Professor of English, Secretary* pro tem. *of the Faculty, and Adviser in the General College.*
A.B., 1917 (Denison); M.A., 1920 (Columbia); Ph.D., 1924 (North Carolina).

---

* Absent on leave in military service.
** Absent on leave in military service.

**VINTON ASBURY HOYLE, Ph.D., *Associate Professor of Mathematics.*
A.B., 1924, A.M., 1925 (North Carolina); Ph.D., 1930 (Princeton).

†JOHN WARFIELD HUDDLE, Ph.D., *Associate Professor of Geology and Adviser in the General College.*
B.S., 1929 (Northwestern); Ph.D., 1934 (Indiana).

ARTHUR PALMER HUDSON, Ph.D., *Professor of English.*
B.S., 1913, M.A., 1920 (Mississippi); A.M., 1925 (Chicago); Ph.D., 1930 (North Carolina).

ROBERT DOUGLAS HUME, A.M., *Assistant Professor of Dramatic Art.*
A.B., 1929 (California); A.M., 1935 (North Carolina).

FILLMORE HOLT HUNTER, A.B., *Lecturer in Physics.*
A.B., 1921 (Elon College).

‡WITOLD HUREWICZ, Ph.D., *Assistant Professor of Mathematics.*
Ph.D., 1926 (Vienna).

§BEN HUSBANDS, A.B., *Registrar and Examiner.*
A.B., 1927 (North Carolina).

HOWARD RUSSELL HUSE, Ph.D., *Professor of Romance Languages.*
Ph.B., 1913, Ph.D., 1930 (Chicago).

MARION LEE JACOBS, Ph.D., *Professor of Pharmaceutical Chemistry.*
Ph.C., 1921 (North Carolina); B.S. in Pharm., 1925, M.Sc., 1926. (Nebraska); Ph.D., 1937 (Maryland).

*NATHAN JACOBSON, Ph.D., *Associate Professor of Mathematics.*
A.B., 1930 (Alabama); Ph.D., 1934 (Princeton).

**RICHARD ELMER JAMERSON, M.A., *Associate Professor of Physical Education.*
B.S. in Physical Education, 1932 (The Rice Institute); M.A. in Physical Education, 1934 (Teachers College, Columbia).

WALTER GAFFORD JAMES, A.B., *Instructor in Physical Education.*
A.B., 1941 (North Carolina).

GEORGE JENKINS, A.B., *Instructor in Physics.*
A.B.. 1943 (Berea College).

**WILLIAM SUMNER JENKINS, Ph.D., LL.B., *Associate Professor of Political Science.*
A.B., 1924, A.M., 1925, Ph.D., 1927, LL.B., 1931 (North Carolina).

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* Absent on leave in government service.
** Absent on leave in military service.
† Absent on leave in government service from 20 September 1943.
‡ Absent on leave in government service.
§ Absent on leave from May, 1944.

RICHARD JENTE, Ph.D., *Professor of the Germanic Languages and Literatures.*
A.B., 1910; A.M., 1911 (Yale); Ph.D., 1917 (Heidelberg).

KATHARINE JOCHER, Ph.D., *Professor of Sociology and Assistant Director of the Institute for Research in Social Science.*
A.B., 1922 (Goucher College); A.M., 1923 (Pennsylvania); Ph.D., 1929 (North Carolina).

CECIL JOHNSON, Ph.D., *Associate Professor of History and Dean of the General College.*
A.B., 1922 (Mississippi College); M.A., 1924 (Virginia); Ph.D., 1932 (Yale).

*GUY BENTON JOHNSON, Ph.D., *Professor of Sociology.*
A.B., 1921 (Baylor); A.M., 1922 (Chicago); Ph.D., 1927 (North Carolina).

JOHN STANLEY JOHNSON, A.M., *Lecturer in Physics.*
A.B., 1923 (Wake Forest College); A.M., 1942 (North Carolina).

CLAIBORNE STRIBLING JONES, Ph.D., *Assistant Professor of Zoology.*
A.B., 1935 (Hampden-Sydney College); M.A., 1940, Ph.D., 1944 (Virginia).

ARTHUR MELVILLE JORDAN, Ph.D., *Professor of Educational Psychology.*
A.B., 1907 (Randolph-Macon College); A.M., 1909 (Trinity College); Ph.D., 1919 (Columbia).

FREDERICK BLOUNT JOYNER, S.B.Chem., *Instructor in Chemistry.*
S.B. in Chem., 1943 (North Carolina).

KAI HEIBERG-JURGENSEN, *Visiting Lecturer in Dramatic Art.*

LOUIS OSGOOD KATTSOFF, Ph.D., *Associate Professor of Philosophy.*
A.B., 1929, A.M., 1930, Ph.D., 1934 (Pennsylvania).

JOHN ESTEN KELLER, A.M., *Instructor in Spanish.*
A.B., 1940, A.M., 1942 (Kentucky).

LUCILE KELLING, A.B., B.L.S., *Associate Professor of Library Science.*
A.B., 1917 (Whitman College); B.L.S., 1921 (New York State Library School).

JOHN FAWCETT KENFIELD, *Instructor in Physical Education.*

**GEORGE ROBERT KEYS, A.M., *Instructor in Spanish.*
A.B., 1939 (Florida Southern College); A.M., 1940 (North Carolina).

ARNOLD KIMSEY KING, A.M., *Professor of Education and Adviser in the General College.*
A.B. in Educ., 1925 (North Carolina); A.M., 1927 (Chicago).

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* Absent on leave in government service.
** Absent on leave in military service.

BENJAMIN FREEMAN KINGSBURY, Ph.D., M.D., D.Sc., *Guest Professor of Anatomy.*
A.B., 1893 (Butchtel College); M.S., 1894, Ph.D., 1895 (Cornell); M.D., 1904 (FreiBurg); D.Sc. (Bowdoin).

**IRWIN CLARK KITCHIN, Ph.D., *Associate Professor of Zoology.*
B.S., 1931 (Wake Forest College); Ph.D., 1935 (FreiBurg).

DONALD STANLEY KLAISS, B.D., Ph.D., *Assistant Professor of Sociology and Adviser in the General College.*
A.B., 1928 (Eureka College); B.D., Ph.D., 1934 (Chicago).

HAROLD EMERSON KLONTZ, A.B., *Instructor in Economics.*
A.B., 1935 (Berea College).

MARY PAYSINGER KLONTZ, A.B., S.B. in L.S., *Instructor in Library Science.*
A.B., 1938 (Columbia College); S.B. in Lib. Sci., 1943 (North Carolina.

EDGAR WALLACE KNIGHT, Ph.D., *Kenan Professor of Education.*
A.B., 1909, A.M., 1911 (Trinity College); Ph.D., 1913 (Columbia).

SAMUEL BRADLEY KNIGHT, Ph.D., *Assistant Professor of Chemistry.*
B.S., 1934 (Clemson College); S.M., 1937, Ph.D., 1938 (North Carolina).

HELMUT KUHN, Ph.D., *Associate Professor of Philosophy.*
Ph.D., 1923 (Breslau).

GRANVIL CHARLES KYKER, Ph.D., *Associate Professor of Biological Chemistry and Nutrition.*
B.S., 1932 (Carson-Newman College); Ph.D., 1938 (North Carolina).

GEORGE SHERMAN LANE, Ph.D., *Professor of Germanic and Comparative Linguistics.*
B.A., 1926, M.A., 1927 (Iowa); Ph.D., 1930 (Chicago).

*WILLIAM FISHER LANGE, M.A., *Associate Professor of Physical Education.*
A.B.. 1921 (Wittenberg College); M.A., 1933 (Columbia).

WILLIAM ROSS LANSBERG, A.M., *Instructor in French.*
A.B., 1938 (Dartmouth College); A.M., 1940 (North Carolina).

JOHN EDGAR LARSH, Sc.D., *Associate Professor of Parasitology.*
A.B., 1939, M.S., 1940 (Illinois); Sc.D., 1943 (Johns Hopkins).

JOHN WAYNE LASLEY, JR., Ph.D., *Professor of Pure Mathematics.*
A.B., 1910, A.M., 1911 (North Carolina); Ph.D., 1920 (Chicago).

GEORGE HAROLD LAWRENCE, A.M., *Associate Professor of Social Work.*
A.B., 1919 (Columbia); A.M., 1928 (North Carolina).

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* Resigned 31 October 1944.
** Absent on leave in military service.

ROBERT BAKER LAWSON, M.D., *Associate Professor of Physical Education.*
Student, 1897-1900 (North Carolina); M.D., 1902 (Maryland).

JOSEPH MERRITT LEAR, M.A., *Associate Professor of Insurance.*
A.B., 1900, A.M., 1902 (Randolph-Macon College); M.A., 1915 (Columbia).

STURGIS ELLENO LEAVITT, Ph.D., Litt.D., *Professor of Spanish.*
A.B., 1908 (Bowdoin College); A.M., 1913, Ph.D., 1917 (Harvard); Litt.D. (Bowdoin College, Davidson College).

HUGH TALMAGE LEFLER, Ph.D., *Professor of History.*
A.B., 1921, A.M., 1922 (Trinity College); Ph.D., 1931 (Pennsylvania).

ARNOLD JOHN LEHMAN, Ph.D., M.D., *Professor of Pharmacology.*
B.S., 1925, M.S., 1926, Ph.D., 1931 (Washington); M.D., 1935 (Stanford).

JAMES CLINTON LEHR, B.S., *Part-time Instructor in Chemistry.*
B.S., 1944 (Guilford College).

EDWARD CHARLES LEONARD, B.S., *Lecturer in Physics.*
B.S., 1913 (Earlham College).

*ROBERT GUILFORD LEWIS, A.B., *Instructor in French.*
A.B., 1936 (North Carolina).

JOE BURTON LINKER, Ph.D., *Professor of Mathematics.*
A.B., 1918, A.M., 1920 (North Carolina); Ph.D., 1924 (Johns Hopkins).

*ROBERT WHITE LINKER, Ph.D., *Assistant Professor of French.*
A.B., 1925, A.M., 1928, Ph.D., 1933 (North Carolina).

CHARLES FRANCIS LOUTRELL, *Assistant Professor of Naval Science and Tactics.*

FRANK NORMAN LOW, Ph.D., *Assistant Professor of Anatomy.*
A.B., 1932, Ph.D., 1936 (Cornell).

ELIAS AVERY LOWE, A.B., Ph.D., D.Litt., *Visiting Professor of Latin Palaeography.*
A.B., 1902 (Cornell); Ph.D., 1907 (Munich); D.Litt. (Oxford).

*ROBERT MAYER LUMIANSKY, M.A., *Instructor in English.*
A.B., 1933 (The Citadel); A.M., 1935 (South Carolina).

**RUSSELL BERRY HANCOCK LYDDANE, Ph.D., *Assistant Professor of Physics.*
Ph.D., 1938 (Johns Hopkins).

*JOHN CORIDEN LYONS, Ph.D., *Professor of French.*
B.S., 1920, M.A., 1921 (College of William and Mary); Ph.D., 1927 (North Carolina).

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* Absent on leave in military service.
** Absent on leave, 1944-1945-1946.

JAMES GRAY MCALLISTER, JR., A.M., *Instructor in Mathematics and Physics.*
B.S., 1930 (Hampden-Sydney College); A.M., 1931 (Duke).

FREDERICK BAYS MCCALL, A.B., LL.B., *Professor of Law.*
A.B., 1915 (North Carolina); LL.B., 1928 (Yale).

†JOHN CALDWELL MCCAMPBELL, Ph.D., *Assistant Professor of Geology.*
S.B., 1934 (North Carolina); M.S., 1936 (Vanderbilt); Ph.D., 1944 (North Carolina).

*GERALD RALEIGH MACCARTHY, Ph.D., *Professor of Geology.*
A.B., 1921 (Cornell); A.M., 1924, Ph.D., 1926 (North Carolina).

**ROLAND PRINCE MCCLAMROCH, Ph.D., *Associate Professor of English.*
A.B., 1920, A.M., 1922, Ph.D., 1927 (North Carolina).

EUGENE TUCKER MCEVER, *Instructor in Physical Education.*

HERBERT MACAULEY MCEVER, B.S., *Instructor in Physical Education.*
B.S., 1929 (Virginia Polytechnical Institute).

WILLIAM JOHN MCKEE, C.E., Ph.D., *Professor of Education in Extension Teaching.*
C.E., 1909 (Cornell); M.A., 1919, Ph.D., 1930 (Columbia).

LOREN CAREY MACKINNEY, Ph.D., *Professor of Medieval History.*
A.B., 1913 (Lawrence College); A.M., 1916 (Wisconsin); Ph.D., 1925 (Chicago).

**WILLIAM ALBERT MCKNIGHT, A.M., *Instructor in Spanish.*
B.S., 1932 (Davidson); A.M., 1937 (North Carolina).

**DOUGALD MACMILLAN, Ph.D., *Professor of English.*
A.B., 1918, A.M., 1920, Ph.D., 1925 (North Carolina).

WILLIAM DEBERNIERE MACNIDER, M.D., Sc.D., LL.D., *Kenan Research Professor of Pharmacology.*
M.D., 1903 (North Carolina); Sc.D. (Medical Coll. of Va.); LL.D. (Davidson).

DANIEL ALLAN MACPHERSON, Ph.D., *Professor of Bacteriology.*
Ph.B., 1919, Sc.M., 1920 (Brown); Ph.D., 1929 (Chicago).

ERNEST LLOYD MACKIE, Ph.D., *Professor of Mathematics and Dean of Men.*
A.B., 1917 (North Carolina); A.M., 1920 (Harvard); Ph.D., 1927 (Chicago).

ISAAC HALL MANNING, M.D., *Kenan Professor Emeritus of Physiology.*
Student, 1882-1886 (North Carolina); M.D., 1897 (Long Island College of Medicine).

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* Absent on leave in government service.
** Absent on leave in military service.
† Resigned 8 October 1944.

*ISAAC HALL MANNING, JR., A.B., M.D., *Instructor in Medicine.*
A.B., 1931 (North Carolina); M.D., 1935 (Harvard).

EDWIN CARLYLE MARKHAM, Ph.D., *Professor of Chemistry.*
A.B., 1923 (Trinity College); Ph.D., 1927 (Virginia).

*DONALD FRAZER MARTIN, A.M., *Assistant Professor of Economics.*
A.B., 1929 (Davidson College); A.M., 1931 (North Carolina).

MARY KATHLEEN MARTIN, A.B., *Instructor in Psychology.*
A.B., 1943 (North Carolina).

ALBERT HENRY MATHES, A.B., *Instructor in Physical Education.*
A.B., 1940 (North Carolina).

**ELWYN ARTHUR MAUCK, Ph.D., *Assistant Professor of Political Science and Research Associate in the Institute for Research in Social Science.*
A.B., 1932 (Cornell College); A.M., 1933, Ph.D., 1937 (Columbia).

CHARLES STEWART MAURICE, Ph.D., *Lecturer in Geology and Physics.*
A.B., 1926 (Princeton); A.M., 1931 (North Carolina); Ph.D., 1936 (Johns Hopkins).

ROBERT IRWIN MEHR, Ph.D., *Assistant Professor of Economics.*
B.S., 1938, M.S., 1939 (Alabama); Ph.D., 1943 (Pennsylvania).

EMILY BIDDLE MEIGS, *Assistant Professor of Library Science.*
Certificate, 1906 (Carnegie Library School).

HAROLD DIEDRICH MEYER, A.M., LL.D., *Professor of Sociology.*
A.B., 1912, A.M., 1916 (Georgia); LL.D. (Florida Southern College).

JOHN BUYER MIALE, B.S., M.D., *Instructor in Pathology.*
B.S., 1937 (Cornell); M.D., 1940 (Rochester).

DANIEL FRANKLIN MILAM, A.B., M.D., M.P.H., *Professor of Nutrition in the School of Public Health.*
A.B., 1916 (Vanderbilt); M.D., 1924 (Chicago); M.P.H., 1929 (Johns Hopkins).

AUGUSTUS TAYLOR MILLER, JR., Ph.D., *Associate Professor of Physiology and Physical Education.*
B.S., 1931, M.S., 1933 (Emory); Ph.D., 1939 (Michigan).

JUAN MIRANDA, *Instructor in Spanish.*

LUCY SHIELDS MORGAN, Ph.D., *Professor of Health Education.*
A.B., 1922, M.S., 1932 (Tennessee); M.A., 1929 (Columbia); Ph.D., 1938 (Yale).

---

* Absent on leave in military service.
** Absent on leave in government service.

†RUTH EVELYN DODD MORGAN, M.S., *Instructor in Case Work Practice.*
A.B., 1930 (N. C. C. W.); M.S., 1932 (Western Reserve).

WILLIAM GARDNER MORGAN, A.B., M.D., *Associate University Physician and Instructor in Physical Diagnosis.*
A.B., 1927 (North Carolina); M.D., 1931 (Pennsylvania).

HARVEY LOUIE MORRISON, A.B., *Lecturer in Physics.*
A.B., 1933 (Davidson College).

*JOSEPH LEDERMAN MORRISON, A.B., *Instructor in Journalism.*
A.B., 1940 (North Carolina).

ROY WILLIAM MORRISON, Ph.D., *Professor of Elementary Education.*
A.B., 1916 (Davidson); Ph.D., 1928 (North Carolina).

*JOHN WALTER MORRISS, JR., M.A., *Instructor in Physical Education.*
B.A., 1930 (Southwestern Louisiana Institute); M.A., 1937 (Louisiana State).

ERNST MORWITZ, J.D. and Econ.D., *Instructor in German.*
Dr. jur. et econ., 1910 (Heidelberg).

*OLIN TERRILL MOUZON, Ph.D., *Associate Professor of Economics.*
B.S. in Commerce, 1933 (Southern Methodist); Ph.D., 1940 (North Carolina).

*EDWARD FRANCIS MOYER, A.M., *Instructor in French.*
A.B., 1936, A.M., 1937 (North Carolina).

ALICE MUELLER, B.S., *Instructor in Physical Education.*
B.S., 1932 (Trenton Teachers College).

WILLIAM RANDOLPH MUELLER, A.M., *Assistant Professor of Naval Science and Tactics.*
A.B., 1939 (Princeton); A.M., 1941 (Harvard).

VESTER MOYE MULHOLLAND, M.A., *Instructor in Education.*
A.B., 1926, M.A., 1927 (Duke).

CLYDE EDWARD MULLIS, A.M., *Assistant Professor of Physical Education.*
A.B., 1938, A.M., 1940 (North Carolina).

HOWARD FREDERICK MUNCH, A.M., *Associate Professor of Education, Instructor in Mathematics.*
B.S., 1904 (Adrian College); A.M., 1926 (Chicago).

JOSEPH HAROLD MURNICK, A.B., *Instructor in Physical Education.*
A.B., 1938 (North Carolina).

KENNETH NESS, *Resident Artist, Instructor in Art.*

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* Absent on leave in military service.
† Absent on leave, September-February, 1944-1945.

EARL HOLLAND NEWCOMER, Ph.D., *Assistant Professor of Botany.*
B.A., 1932 (Columbia); M.A., 1935 (California); Ph.D., 1938 (Pennsylvania State College).

ALBERT RAY NEWSOME, Ph.D., *Professor of History.*
A.B., 1915 (North Carolina); M.A., 1922, Ph.D., 1929 (Michigan).

*JOHN WILLIAM ROY NORTON, A.B., M.D., M.P.H., *Professor of Public Health Administration.*
A.B., 1920 (Trinity College); M.D., 1928 (Vanderbilt); M.P.H., 1936 (Harvard).

HOWARD WASHINGTON ODUM, Ph.D., LL.D., Litt.D., L.H.D., *Kenan Professor of Sociology.*
A.B., 1904 (Emory); A.M., 1906 (Mississippi); Ph.D., 1909 (Clark); Ph.D., 1910 (Columbia); LL.D. (Emory, Harvard); Litt.D. (College of the Ozarks); L.H.D. (Clark).

WILLIAM ANDERSON OLSEN, A.M., *Professor of English.*
A.B., 1923 (Cornell); A.M., 1928 (North Carolina).

*ROBERT STEVENS OSBORNE, A.M., *Instructor in English.*
A.B., 1935 (Denver); A.M., 1940 (North Carolina).

JEREMIAH FRANCIS O'SHEA, B.C.E., *Assistant Professor of Naval Science and Tactics.*
B.C.E., 1939 (Santa Clara).

CHARLES EDWARD OWENS, A.B., *Assistant Professor of Naval Science and Tactics.*
A.B., 1939 (South Carolina).

CLIFFORD EDNEY PACE, A.B., LL.B., *Assistant Director in the Institute of Government.*
A.B., 1939, LL.B., 1942 (North Carolina).

GREGORY LANSING PAINE, Ph.D., *Professor of English.*
Ph.B., 1914, A.M., 1920, Ph.D., 1924 (Chicago).

J. ROY PARKER, A.B., *Professor of Journalism.*
A.B., 1915 (Wake Forest College).

*JOHN WILLIAM PARKER, A.M., *Assistant Professor of Dramatic Art.*
A.B. in Educ., 1930, A.M., 1937 (North Carolina).

**ROLAND BRYCE PARKER, A.B., *Instructor in History and Dean of Men.*
A.B., 1926 (Davidson College).

MAISIE JANE PATTERSON, A.B., *Lecturer in Mathematics.*
A.B., 1942 (North Carolina).

ERLE EWART PEACOCK, A.B., M.B.A., C.P.A., *Professor of Accounting.*
A.B., 1914 (Georgia); M.B.A., 1916 (Harvard); C.P.A. (State of North Carolina).

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* Absent on leave in military service.
** Absent on leave from April, 1944.

WILLIAM HENRY PEACOCK, A.M., *Lecturer in Mathematics and Instructor in Physical Education.*
A.B., 1932 (Maryville College); A.M., 1940 (North Carolina).

CARL HAMILTON PEGG, Ph.D., *Associate Professor of History.*
A.B. in Educ., 1927, A.M., 1927, Ph.D., 1929 (North Carolina).

WILLIAM DECATUR PERRY, Ed.D., *Assistant Professor of Education and Director of Military Information.*
A.B. in Educ., 1929 (North Carolina); Ed.D., 1937 (Teachers College, Columbia).

GUY BERRYMAN PHILLIPS, M.A., *Professor of Education, Director of the Summer School, Director of Admissions, and Executive Officer, College for War Training.*
A.B., 1913 (North Carolina); M.A., 1942 (Columbia).

LUTHER JAMES PHIPPS, S.B.Civ.Eng'g., *Lecturer in Mathematics.*
S.B.Civ. Eng'g., 1922 (North Carolina).

WILLIAM WHATLEY PIERSON, Ph.D., Litt.D., *Professor of History and Political Science and Dean of the Graduate School.*
A.B., 1910, A.M., 1911 (Alabama); M.A., 1912, Ph.D., 1916 (Columbia); Litt.D. (Boston).

WILLIAM HOWARD PLEMMONS, Ph.D., *Admissions Officer and *Acting Registrar.*
A.B., 1928 (Wake Forest College); A.M., 1935 (Duke); Ph.D., 1943 (North Carolina).

EDWARD CARL PLISKE, Ph.D., *Assistant Professor of Anatomy and Physical Education.*
B.A., 1932 (Oberlin College); M.A., 1934, Ph.D., 1936 (Minnesota).

**DAVID EDWIN PLUMMER, M.D., *Assistant Professor of Clinical Syphilology in the School of Public Health.*
M.D., 1934 (Medical College of Virginia).

‡EARLE KEITH PLYLER, Ph.D., *Professor of Physics.*
B.A., 1917, A.M., 1918 (Furman); A.M., 1923 (Johns Hopkins); Ph.D., 1924 (Cornell).

WILLIAM SAMUEL PLYMALE, M.S., *Lecturer in Physics.*
B.S., 1932 (Roanoke College); M.S., 1936 (Virginia).

**GEORGE WAVERLY POLAND, JR., M.A., *Instructor in Spanish.*
A.B., 1936 (College of William and Mary); M.A., 1939 (Brown); Diploma (Salamanca).

EARL SPENCER POMEROY, Ph.D., *Assistant Professor of History.*
A.B., 1936 (San Jose State College); A.M., 1937, Ph.D., 1940 (California).

†CARLETON ESTEY PRESTON, Ph.D., *Professor of Education.*
A.B., 1899, A.M., 1900, Ph.D., 1902 (Harvard).

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* Acting Registrar from 15 May 1944.
** Absent on leave in military service.
‡ Absent on leave, 1944-1945.
† Retired 31 December 1944.

WILLIAM MEADE PRINCE, *Lecturer in Art.*

WILLIAM FREDERICK PROUTY, Ph.D., *Professor of Stratigraphic Geology.*
B.S., 1903, M.S., 1904 (Syracuse); Ph.D., 1906 (Johns Hopkins).

PERCY HALL QUINLAN, B.P.E., *Instructor in Physical Education.*
B.P.E., 1919 (Springfield College).

*WALTER WAGNER RABB, A.M., *Instructor in Physical Education.*
B.S., 1937 (North Carolina State College of A. and E.); A.M. in Educ., 1941 (North Carolina).

*MANUEL D. RAMIREZ, A.M., *Instructor in Spanish.*
A.B., 1937, A.M., 1939 (Florida).

RICHARD BEVERLY RANEY, A.B., M.D., *Lecturer in Orthopedic Surgery.*
A.B., 1926 (North Carolina); M.D., 1930 (Harvard).

MURPHY DALE RANSON, S.B.Comm., *Instructor in Physical Education.*
S.B.Commerce, 1924 (North Carolina).

CARL VERNON REYNOLDS, M.D., *Associate Professor of Public Health.*
M.D., 1895 (Univ. of the City of New York).

CEDRIC OKELL REYNOLDS, M.A., *Educational Officer, V-12 Headquarters.*
A.B., 1928, A.M., 1932 (West Virginia).

†JOHN O. REYNOLDS, M.A., *Instructor in Mathematics.*
B.S., 1925 (Guilford College); A.M., 1940 (North Carolina).

JAMES GRUNDY RICE, A.M., *Instructor in English.*
A.B., 1936 (Tennessee); A.M., 1942 (North Carolina).

OSCAR KNEFLER RICE, Ph.D., *Professor of Chemistry.*
B.S., 1924, Ph.D., 1926 (California).

†WILLIAM ABBOTT RICE, Ph.D., *Assistant Professor of Geology.*
B.A., 1934 (Ohio Wesleyan); Ph.D., 1940 (Yale).

LUKE ASHLEY RICH, Ch.E., *Assistant Professor of Naval Science and Tactics.*
Ch.E., 1923 (Northwestern).

**LEONARD WARD ROBERTS, A.M., *Instructor in English.*
A.B., 1939 (Berea College); A.M., 1943 (Iowa).

‡CHARLES BASKERVILLE ROBSON, Ph.D., *Professor of Political Science.*
A.B., 1919 (Davidson); A.M., 1924 (Princeton); Ph.D., 1930 (North Carolina).

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* Absent on leave in military service.
† Absent on leave in government service.
** Resigned, 1 January 1945.
‡ Absent on leave 1 March to 1 September 1945.

ARTHUR ROE, Ph.D., *Acting Associate Professor of Organic Chemistry.*
B.A., 1933 (Oberlin College); M.A., 1935 (Colorado College); Ph.D., 1938 (Northwestern).

WINFIELD HEYSER ROGERS, Ph.D., *Visiting Professor of English.*
B.A., 1924 (Michigan); A.M., 1930, Ph.D., 1932 (Harvard).

**MICHAEL Z. RONMAN, Ed.M., *Instructor in Physical Education.*
B.S., 1935, Ed.M., 1938 (Pennsylvania State College).

IRA WINFIELD ROSE, Ph.G., *Professor of Practical Pharmacy.*
Ph.G., 1906 (North Carolina).

NATHAN ROSEN, Sc.D., *Associate Professor of Physics.*
S.B., 1929, S.M., 1930, Sc.D., 1932 (Mass. Inst. of Tech.).

MILTON JOSEPH ROSENAU, M.D., A.M., *Professor of Epidemiology and Dean of the School of Public Health.*
M.D., 1889 (Pennsylvania); student (Hygienische Institut, Berlin, 1892-1893; L'Institut Pasteur, Paris, 1900 Pathologisches Institut, Vienna, 1900); Hon. A.M. (Harvard).

WILLIAM EVERETT ROSENSTENGEL, Ph.D., *Professor of Education.*
B.S. in Ed., 1923 (Northeast Missouri State Teachers College); A.M., 1927, Ph.D., 1931 (Missouri).

JESSE PERRY ROWE, Ph.D., D.Sc., *Professor of Geology.*
B.Sc., 1897, M.A., 1903, Ph.D., 1906, Hon. D.Sc. (Nebraska).

*ARTHUR EDWARD RUARK, Ph.D., *Kenan Professor of Physics.*
A.B., 1921, A.M., 1923, Ph.D., 1924 (Johns Hopkins).

MARIAN STELBRINK RUCH, M.A., *Instructor in Physical Education.*
B.S., 1929 (Wisconsin); M.A., 1931 (Teachers College, Columbia).

CHARLES EVERETT RUSH, A.B., B.L.S., A.M., *Professor of Library Science, Director of Libraries, and Chairman of the Library Division.*
A.B., 1905 (Earlham College); B.L.S., 1908 (New York State Library School); Hon. A.M. (Yale).

ALFRED RUSSELL, D.Sc., *Professor of Chemistry.*
B.S., 1926 D.Sc., 1929 (Queen's College, Ireland).

CHARLES PHILLIPS RUSSELL, A.B., *Professor of Journalism.*
A.B., 1904 (North Carolina).

HARRY KITSUN RUSSELL, Ph.D., *Associate Professor of English.*
A.B., 1923 (Davidson); A.M., 1928, Ph.D., 1931 (North Carolina).

JOSIAH COX RUSSELL, Ph.D., *Associate Professor of History.*
A.B., 1922 (Earlham); A.M., 1923, Ph.D., 1926 (Harvard).

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* Absent on leave, July 1944-June 1945.
** Absent on leave in military service.

MARY LOU RUTLEDGE, M.A., *Instructor in Medical Technology.*
B.S., 1937, M.A., 1938 (Furman).

WILL CARSON RYAN, Ph.D., Ed.D., LL.D., *Kenan Professor of Education.*
A.B., 1907 (Harvard); Ph.D., Ed.D., 1918, LL.D., (George Washington).

WILEY BRITTON SANDERS, Ph.D., *Professor of Social Work.*
A.B., 1919 (Emory College); A.M., 1920 (Emory); A.M., 1921 (North Carolina); Ph.D., 1929 (Chicago).

CHARLES ARGOW SCHADE, B.F.A., *Assistant Professor of Naval Science and Tactics.*
B.F.A., 1936 (Yale).

JAN PHILIP SCHINHAN, Ph.D., *Associate Professor of Music.*
A.B., 1931, M.A., 1933 (California); Ph.D., 1937 (Vienna).

*HERMAN WALKER SCHNELL, A.M., *Assistant Professor of Physical Education.*
A.B., 1930 (North Carolina); M.A., 1939 (Teachers College, Columbia).

†GUSTAV THEODOR SCHWENNING, Ph.D., *Professor of Business Administration.*
B.H., 1920 (Springfield); M.A., 1921, Ph.D., 1925 (Clark).

SAMUEL SELDEN, A.B., *Associate Professor of Dramatic Art and Director of the Carolina Playmakers.*
A.B., 1922 (Yale).

ROBERT BOIES SHARPE, Ph.D., *Associate Professor of English.*
B.A., 1918 (Wesleyan); M.A., 1923 (Wisconsin); Ph.D., 1928 (Yale).

PAUL EDMONDSON SHEARIN, Ph.D., *Associate Professor of Physics.*
A.B. in Educ., 1929, A.M., 1930 (North Carolina); Ph.D., 1934 (Ohio State).

GEORGE EDWARD SHEPARD, M.A., *Associate Professor of Physical Education.*
B.S., 1925 (North Carolina); M.A., 1940 (Columbia).

ROBERT HOWARD SHERRILL, M.A., C.P.A., *Associate Professor of Accounting.*
S.B.Comm., 1925 (North Carolina); M.A., 1927 (Columbia); C.P.A. (State of North Carolina).

OID DAVIS SHREVE, M.A., *Instructor in Chemistry.*
A.B., 1932 (Davis and Elkins College); M.A., 1938 (Michigan).

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* Absent on leave in military service.
† Absent on leave, 1944-1945.

*FLOYD THEODORE SIEWERT, M.A., *Associate Professor of Physical Education.*
B.S. in Educ., 1932 (Wittenberg College); M.A., 1935 (Ohio State).

THOMAS MOORMAN SIMPKINS, JR., A.M., *Instructor in Latin.*
A.B., 1935, A.M., 1937 (North Carolina).

§JOSEPH CARLYLE SITTERSON, Ph.D., *Assistant Professor of History.*
A.B., 1931, A.M., 1932, Ph.D., 1937 (North Carolina).

EARL ANDERSON SLOCUM, M.M., *Associate Professor of Music.*
B.Mus., 1931, M.M., 1936 (Michigan).

IRENE SMART, *Instructor in Dramatic Art.*

CARL MANEVAL SMITH, B.S., in Chem. Eng'g., A.M., *Lecturer in Mathematics.*
B.S. in Chem. Eng'g., 1933 (High Point College); A.M., 1943 (North Carolina).

JAMES MONROE SMITH, JR., A.M., *Instructor in French.*
A.B., 1938 (Louisiana); A.M., 1941 (North Carolina).

RUBY ARDEN SMITH, M.D., *Instructor in Medicine*
M.D., 1940 (Maryland).

SHERMAN EVERETT SMITH, Ph.D., *Associate Professor of Chemistry.*
S.B. in Ch.E., 1930 (S. Dak. State School of Mines); Ph.D., 1935 (Ohio State).

**CARL GREY SNAVELY, M.A., *Head Coach of Football.*
A.B., 1915 (Lebanon Valley College); M.A. (Bucknell).

WILLIAM BREWSTER SNOW, S.M., *Acting Associate Professor of Sanitary Engineering.*
B.S., 1932 (Duke); S.M., 1942 (Harvard).

CLEMENS SOMMER, Ph.D., *Associate Professor of the History of Art.*
Ph.D., 1919 (FreiBurg).

*WALTER SPEARMAN, A.M., *Associate Professor of Journalism.*
A.B., 1929, A.M., 1937 (North Carolina).

*CORYDON PERRY SPRUILL, JR., A.B., B.Litt. (Oxon.), *Professor of Economics and Dean of the General College.*
A.B., 1920 (North Carolina); B.Litt., 1922 (Oxford).

HERMAN HENRY STAAB, M.A., *Associate Professor of Romance Languages.*
B.A., M.A., 1912 (University of the South).

MRS. MARVIN HENDRIX STACY, *Dean of Women.*
Graduate, 1907 (N. C. State Normal and Industrial College).

*ROBERT LEE STALLINGS, JR., B.S., *Instructor in Economics.*
B.S., 1938 (North Carolina State College of A. and E.).

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* Absent on leave in military service.
§ Absent on leave in government service.
** Service begins March, 1945.

LOIS FOOTE STANFORD, M.D., *Instructor in Medicine.*
M.D., 1921 (Pennsylvania).

WILLIAM RANEY STANFORD, A.B., M.D., *Instructor in Medicine.*
A.B., 1915 (North Carolina); M.D., 1919 (Pennsylvania).

**ROBERT EDWARDS STONE, A.B., M.D., *Associate University Physician and Instructor in Physical Diagnosis.*
A.B., 1931 (North Carolina); M.D., 1934 (Harvard).

**STERLING AUBREY STOUDEMIRE, Ph.D., *Professor of Spanish.*
A.B., 1923, A.M., 1924, Ph.D., 1930 (North Carolina).

JOSEPH WARD STRALEY, Ph.D., *Associate Professor of Physics.*
B.S., 1936, M.S., 1937, Ph.D., 1941 (Ohio State).

WILLIAM RINGGOLD STRAUGHN, JR., M.S., *Instructor in Bacteriology.*
B.S., 1935 (Penn. State Teachers College); M.S., 1940 (Cornell).

**WILLIAM E. STRICKLAND, A.B., B.S., *Instructor in French.*
A.B., B.S., 1940 (Southern College).

OTTO STUHLMAN, JR., Ph.D., *Professor of Physics.*
B.A.. 1907 (Cincinnati); M.A., 1909 (Illinois); Ph.D., 1911 (Princeton).

VIRGINIA SUHRIE, S.M., *Instructor in Physiology.*
B.S., 1940 (State Teachers College, West Chester, Penna.); S.M., 1943 (North Carolina).

**ALBERT IRVING SUSKIN, Ph.D., *Instructor in Latin.*
A.B. in Educ., 1931, A.M., 1932, Ph.D., 1937 (North Carolina).

BENJAMIN FRANKLIN SWALIN, Ph.D., *Associate Professor of Music.*
B.S., 1928, M.A., 1930 (Columbia); Graduate, 1930 (Institute of Musical Art, New York); Graduate, 1932 (Hochschule für Musik und Kapelmeisterschule, Vienna); Ph.D., 1932 (Vienna).

GEORGE COFFIN TAYLOR, Ph.D., Litt.D., *Kenan Professor of English.*
A.B., 1897 (South Carolina); A.M., 1899 (Harvard); Ph.D., 1906 (Chicago); Litt.D. (South Carolina).

*MALCOLM DEAN TAYLOR, M.B.A., *Professor of Marketing.*
A.B., 1920 (Oberlin); M.B.A., 1923 (Harvard).

JAMES STERLING TIPPETT, M.A., *Visiting Lecturer in Extension Teaching.*
B.S., 1915 (Missouri); M.A., 1925 (Columbia).

**HENRY ROLAND TOTTEN, Ph.D., *Professor of Botany.*
A.B., 1913, A.M., 1914, Ph.D., 1923 (North Carolina).

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* Absent on leave, 1944-1945.
** Absent on leave in military service.

RALPH MCCOY TRIMBLE, B.C.E., S.M., *Associate Professor of Applied Mathematics.*
B.C.E., 1921 (Virginia); S.M., 1927 (North Carolina).

BERTHOLD LOUIS ULLMAN, Ph.D., *Kenan Professor of the Classical Languages and Literatures.*
A.B., 1903 (Chicago); Ph.D., 1908 (Chicago).

RUPERT BAYLESS VANCE, Ph.D., LL.D., *Professor of Sociology.*
A.B., 1920 (Henderson-Brown); A.M., 1921 (Vanderbilt); Ph.D., 1928 (North Carolina); LL.D. (Hendrix College).

CHARLES DURWARD VANCLEAVE, Ph.D., *Associate Professor of Anatomy.*
A.B., 1925 (Colorado); Ph.D., 1928 (Chicago).

RUTH FRANCK VANCOLLIE, M.A., *Instructor in Physical Education.*
B.A., 1941 (Swarthmore College); M.A., 1943 (New York).

†MAURICE TAYLOR VANHECKE, Ph.B., J.D., *Professor of Law.*
Ph.B., 1916, J.D., 1917 (Chicago).

WILLIAM WEDDLE VAUGHAN, A.B., M.D., *Lecturer in Radiographic Anatomy.*
A.B., 1929 (North Carolina); M.D., 1933 (Jefferson Medical College).

**JOHN VAUGHT, A.B., *Instructor in Physical Education.*
A.B., 1932 (Texas Christian).

CLAUDE ALVIN VILLÉE, JR., Ph.D., *Assistant Professor of Zoology.*
B.S., 1937 (Franklin and Marshall College); Ph.D., 1941 (California).

PAUL WOODFORD WAGER, Ph.D., *Professor of Political Science.*
B.S., 1917 (Hobart College); A.M., 1920 (Haverford College); Ph.D., 1927 (North Carolina).

HENRY MCGILBERT WAGSTAFF, Ph.D., *Professor of History.*
Ph.B., 1899 (North Carolina); Ph.D., 1906 (Johns Hopkins).

JAMES MUIR WALLER, M.A., LL.B., *Assistant Professor of Business Law.*
B.A., 1922, M.A., 1927 (Vanderbilt); LL.B., 1924 (Yale).

**DON H. WALTHER, A.M., *Instructor in Spanish.*
A.B., 1928 (Miami); A.M., 1940 (North Carolina).

ARTHUR WALTNER, M.S., *Lecturer in Physics.*
A.B., 1938 (Bethel College); M.S., 1941 (Kansas State College).

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† Absent on leave in government service.
** Absent on leave in military service.

ALEXANDER WEBB, JR., A.B., M.D., *Lecturer in Surgical Anatomy.*
A.B., 1933 (North Carolina); M.D., 1937 (Harvard).

PAUL HAMILTON WARING WEBB, M.A., *Instructor in Botany.*
B.S., 1937 (South Carolina); M.A., 1942 (George Washington).

WILLIAM SMITH WELLS, Ph.D., *Associate Professor of English and Coordinator of Academic Work in the V-12 Program.*
A.B., 1929, A.M., 1930 (Southern California); Ph.D., 1935 (Stanford).

ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Professor of Law and Dean of the School of Law.*
A.B., 1913, A.M., 1914, LL.B., 1917 (Pittsburgh); S.J.D., 1921 (Harvard).

†ROBERT JAMES WHERRY, Ph.D., *Associate Professor of Psychology.*
B.S., 1925, M.A., 1927, Ph.D., 1929 (Ohio State).

*ROGERS DEY WHICHARD, A.M., *Instructor in French.*
A.B., 1924, A.M., 1938 (North Carolina).

M. JUDSON WHITE, M.A., *Instructor in Psychology.*
A.B., 1937, M.A., 1940 (East Carolina Teachers College).

RICHARD ARNOLD WHITE, *Instructor in Physical Education.*

WILLIAM ALEXANDER WHITE, Ph.D., *Assistant Professor of Geology.*
A.B., 1931, as of 1930 (Duke); A.M., 1931 (North Carolina); M.S., 1934 (Montana School of Mines); Ph.D., 1938 (North Carolina).

MAURICE WHITTINGHILL, Ph.D., *Associate Professor of Zoology.*
A.B., 1931 (Dartmouth College); Ph.D., 1937 (Michigan).

*WILLIAM LEON WILEY, Ph.D., *Professor of French.*
A.B., 1921 (Chattanooga); A.M., 1925, Ph.D., 1930 (Harvard).

EDITH WEBB WILLIAMS, Ph.D., *Associate Professor of Sociology.*
A.B., 1930 (The Woman's College of U.N.C.); A.M., 1932 (North Carolina); Ph.D., 1938 (Cornell).

†JONATHAN WAITE WILLIAMS, Ph.D., *Assistant Professor of Organic Chemistry.*
B.S., 1930 (Baldwin-Wallace College); M.S., 1932, Ph.D., 1935 (Northwestern).

*JAMES LARRYMORE WILSON, A.M., *Instructor in English.*
B.A., 1931 (Oklahoma); A.M., 1939 (Yale).

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* Absent on leave in military service.
† Absent on leave in government service.

‡LOUIS ROUND WILSON, Ph.D., Litt.D., LL.D., *Professor of Library Science and Administration.*
A.B., 1899, A.M., 1902, Ph.D., 1905 (North Carolina); Litt.D. (Univ. of Denver); LL.D. (Haverford, North Carolina).

THOMAS JAMES WILSON, JR., Ph.D., *Advisory Dean of Admissions, Secretary of the Faculty, and Archivist.*
A.B., 1894, A.M. 1896, Ph.D., 1898 (North Carolina).

†REX SHELTON WINSLOW, Ph.D., *Professor of Economics.*
A.B., 1923 (Simpson College); A.M., 1929 (Illinois); Ph.D., 1936 (North Carolina).

ARTHUR SIMEON WINSOR, Ph.D., *Professor of Mathematics.*
A.B., 1914, A.M., 1915 (Mount Allison College); Ph.D., 1927 (Johns Hopkins).

HARRY DEMERLE WOLF, Ph.D., *Professor of Economics.*
B.S., 1922 (Kansas State Teachers College); A.M., 1923, Ph.D., 1926 (Chicago).

YUE KEI WONG, Ph.D., *Lecturer in Mathematics.*
B.S., M.S., Ph.D. (Chicago).

EDWARD JAMES WOODHOUSE, B.A., LL.B., *Professor of Political Science.*
B.A., 1903 (Randolph-Macon College); LL.B., 1907 (Virginia).

*WILLIAM SLEDGE WOODS, A.M., *Instructor in French.*
A.B., 1931, A.M., 1932 (South Carolina).

JOHN BROOKS WOOSLEY, Ph.D., *Professor of Economics.*
A.B., 1912 (Guilford College); A.B., 1913, A.M., 1914 (Haverford College); Ph.D., 1931 (Chicago).

JOHN JOSEPH WRIGHT, A.B., M.D., M.P.H., *Research Professor of Epidemiology in the School of Public Health.*
A.B., 1931, M.D., 1935 (Vanderbilt); M.P.H., 1939 (Johns Hopkins).

**EARL WYNN, M.S., *Assistant Professor of Dramatic Art.*
A.B., 1932 (Augustana College); M.S., 1934 (Northwestern).

PAUL YOUNG, M.A., *Assistant Professor of Music.*
B.S., 1931 (Ohio); M.A., 1936 (Columbia).

*THOMAS BAYARD YOUNG, JR., A.B., *Head Coach of Football, Instructor in Physical Education.*
A.B., 1930 (North Carolina).

HEINRICH ZATZKIS, M.S., *Instructor in Physics.*
M.S., 1944 (Indiana).

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† Absent on leave one year in government service from 18 April 1944.
‡ Not teaching 1944-1945 while acting as Director of the Sesquicentennial Celebration.
* Absent on leave in military service.
** Absent on leave in government service.

Teaching Fellows, 1944-1945

Botany.....MARY JOSEPHINE STEWART, A.B.
Botany .....*ROGER ARNOLD HINES, A.B.
Chemistry .....*GENEVA KATHERINE KING, A.B.
Chemistry.....*DOROTHY MAE ROESEL, S.B.
Classics.....CORINNE WASHINGTON GREEN, A.B.
Economics and Commerce.....JACK NEWTON BEHRMAN, S.B.
Economics and Commerce.....FLOYD EUGENE GILLIS, JR., A.B.
Education.....MARY BYNUM HOLMES, A.M.
English.....JOHN MICHAEL ADEN, A.M.
English.....MARY AMELIA MAGGINIS, A.M.
English.....*ALBERT HUNTER BUFORD, A.B.
History.....GEORGE ARTHUR BEEBE, A.B.
History.....MARY ELIZABETH MASSEY, A.M.
History.....HARVEY O'NEAL WHITE, A.B.
Mathematics.....GWENDOLYN RUTH HILL, A.B.
Mathematics.....**HELEN LOUISE MCDEVITT, S.B.
Mathematics.....*ALBERT VERNON COBLE, A.B.
Political Science .....MAVIS ANDRÉE MANN, A.M.
Psychology.....SHIRLEY MAE LIDDELL, A.B.
Romance Languages.....ELOISE BAYNES, A.M.
Romance Languages.....EMILY MARGARET HORTON, S.B.E.
Romance Languages.....THELMA VALERIA THOMPSON, A.M.
Social Work .....RUTH ELIZABETH THAYER, A.B.
Sociology.....FAYE ELIZABETH HANCOCK, A.B.
Zoology .....(LOLLIE) ROBERTA LOVELACE, S.M.

Research Associate in English

MARY CLAIRE RANDOLPH

Special Graduate Appointments, 1944-1945

Research Fellows

MILDRED MORSE MCEWEN, A.M., Biological Chemistry

HARRY BROWN MILLER, S.B., Naval Research Laboratory, Chemistry.

MARY ELIZABETH MILLER, S.B., Tannin Research, Chemistry.

CONSTANCE OLIVE, A.B., Tannin Research, Chemistry.

Research Assistants

STELLA ALOGDELIS, S.B., Biological Chemistry.

FRANK ALAN BURTNER, JR., A.M., Institute for Research in Social Science.

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* From November 1, 1944.
** To November 1, 1944.

MARY E. CARRIG, A.B., Spanish-American Literature.

EDNA CATHERINE COOPER, A.M., Institute for Research in Social Science.

MARGARET NELL PRICE, A.B., Institute for Research in Social Science.

ANNA GREENE SMITH, A.M., Institute for Research in Social Science.

EDITH VIRGINIA STONE, S.B., Junior Research Assistant in the Institute for Research in Social Science.

IDA CAROLINE WINSTON, A.B., Spanish-American Literature.

HULDA JUSTINE WOHLTMANN, S.B., Biological Chemistry.

ALMA HOLLAND BEERS, A.B., Botany.

WILLIAM EUGENE CORNATZER, Ph.D., Biological Chemistry.

LOIS NORMAN, A.B., Bacteriology.

LUCILLE ELLIOTT, A.B., Law.

CECIL JAMES HILL, S.B.Comm., Law.

CHARLES FORTUNATO COIRA, JR., A.B., Law.

JAMES GILES HUDSON, JR., A.B., Law.

Non-Service Fellows

MARY ELIZABETH BARWICK, A.B., Consolidated University Fellow.

MILDRED KINNORY, A.B., Ledoux Fellow in Chemistry.

ROBERT SYDNEY LAX, A.B., Graham Kenan Fellow in Philosophy.

Scholars

CATHERINE MILDRED HENIFORD, A.B., Endowed Scholar, English.

LILA HERMANN, A.B., Endowed Scholar, English.

SPENCER BIDWELL KING, JR., A.M., Endowed Scholar, History.

MARGARET ELEANOR KINSMAN, A.M., Service Scholar, History.

HELEN BYRNES LANNEAU, A.B., Endowed Scholar, Classics.

JOSEPHINE ANNA PEARCE, A.M., Service Scholar, English.

SADIE LOUISE SEYMOUR, A.B., Service Scholar, Social Work.

Graduate Assistants, 1944-1945

Biological Chemistry.....JESSE CALEB TROTT, JR., A.B.
Chemistry.....*ROGER ARNOLD HINES, A.B.
Chemistry.....*GENEVA KATHERINE KING, A.B.
Chemistry.....*DOROTHY MAE ROESEL, A.B.
Chemistry.....CHARLES RAYMOND SPELL, S.M.
Chemistry.....CLAUS VICTORIUS, S.B.
Dramatic Art.....JOHN CARRINGTON CROSS, A.B.
Dramatic Art.....ANN MILLARD OSTERHOUT, A.B.
Dramatic Art.....SHIRLEY EILEEN PIC, A.B.
Dramatic Art.....ELIZABETH BOGUE STONEY, A.B.
Dramatic Art.....ELIZABETH CLEMENT LAROCHE TAYLOR, A.B.
English .....SARAH IRWIN DAVIS, A.B.
English.....**JOSEPHINE ANNA PEARCE, A.M.
Music.....MARY LOUISE EMERY, B.M.
Music.....EMILY GERALDINE PORTER, S.B.M.
Physics.....NORRIS HUGH BARBRE, S.B.
Psychology.....FRANCES CARRINGTON ELLIS, A.B.
Psychology.....MARY KATHLEEN MARTIN, A.B.
Public Health .....MARGARET CAMPBELL, M.S.P.H.
Public Health.....JOSEPH FREEDMAN, S.B.
Public Health.....SARA ELIZABETH LOVELL, M.S.P.H.
Public Health.....DOROTHY MAE MELVIN, A.B.
Public Health.....CLIFFORD LEIGH PEASLEY, S.M.
Public Health.....BARBARA JANE ROSENAU, A.B.
Sociology.....HOWARD GORDON MCCLAIN, A.B., B.D.
Sociology.....ROSLYN GREENBLATT RIBNER, A.B.
Zoology.....MARY LEE CLARY, A.B.

Standing Committees of the Faculty

ADVISORY (*elected with terms expiring the year indicated*). 1945: Dashiell, Dey, A. W. Hobbs; 1946: Berryhill, Bost, Couch; 1947: Baity, G. C. Taylor, Woosley.

ATHLETICS. Messrs. A. W. Hobbs, Chairman; H. D. Wolf, Cornwell, Hedgpeth.

CHAPEL. Messrs. Mackie, Chairman; Carroll, Comer, Epps, Meyer.

COORDINATED PROGRAMS. Messrs. Robson, Chairman; Bailey, S. T. Emory, Ericson, Leavitt, H. K. Russell.

DEBATE COUNCIL. Messrs. Olsen, Godfrey, Woodhouse, Student members.

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* To November 1, 1944.
** From November 1, 1944.

ELIGIBILITY FOR STUDENT ACTIVITIES. Messrs. Mackie, Chairman; C. P. Russell, Comer, Dean Stacy.

ENDOWED SCHOLARSHIPS. Messrs. Carroll, Chairman; Bost, Bradshaw, A. W. Hobbs, Husbands, C. Johnson, Saunders, Comer, Rogerson, Lanier, J. A. Williams.

ENGLISH COMPOSITION. Messrs. S. E. Smith, Chairman; Bailey, Secretary; N. B. Adams, R. W. Adams, Bagby, Beard, Bost, Coffin, Coffman, Farrar, Fussler, Godfrey, Haydon, Cecil Johnson, McCall, Prouty, W. B. Sanders, Totten.

EXAMINATIONS AND RECORDS. Messrs. Husbands, Chairman; Beard, Bradshaw, Carroll, Evans, A. W. Hobbs, Hudson, C. Johnson, Jordan, Klaiss, Lasley, Markham, Pegg, Stoudemire.

EXECUTIVE *(elected with terms expiring the year indicated).* 1944: Messers. E. T. Browne, Cecil Johnson; 1945: Lefler, S. E. Smith; 1946: Epps, Wells.

FACULTY LIVING CONDITIONS. Messrs. Lear, Chairman; Bailey, Baity, Breckenridge, Brooks, Brown, Browne, Burlage, Carroll, Cowden, Crockford, F. M. Green, Cecil Johnson, King, Morrison, Wiley, Winslow; Mesdames Branch, Carter, Hagood.

FRATERNITIES. Messrs. Peacock, Chairman; Carroll, Godfrey, Lyons, Mackie, MacKinney, Saunders, Stoudemire, Woodhouse,

GROUNDS, BUILDINGS, FIELDS, FORESTS, AND LAKE AREA. Messrs. R. J. M. Hobbs, Chairman; Booker, W. C. Coker, House, MacNider, Odum, Prince, Teague, Wager.

INSTRUCTION. Messrs. A. W. Hobbs, Chairman; Beard, Bradshaw, Carroll, R. E. Coker, Huse, C. Johnson, Newsome, Pierson.

INTER-AMERICAN INSTITUTE. Messrs. Leavitt, Director; Graham, Carmichael, House, Carroll, Pierson, Dey, Grumman, Business Officer.

LOAN FUNDS. Messrs. Bradshaw, Chairman; Carroll, Lanier, Rogerson, Saunders, J. A. Williams.

MCNAIR LECTURES. Messrs. Bradshaw, Chairman; Henderson, MacNider, G. C. Taylor, Wager, Epps.

PUBLIC OCCASIONS AND PUBLIC RELATIONS. Messrs. Saunders, Chairman; Bradshaw, Coates, Comer, Dey, Fetzer, Grumman, Madry, Phillips, Teague, and others as needed.

REGULATIONS. The Undergraduate Deans, Mr. Husbands.

REGULATION OF STUDENT DANCES. Messrs. Mackie, Chairman; H. K. Russell, Dean Stacy.

SELF-HELP. Messrs. Comer, Chairman; Bradshaw, Carroll, Cook, A. W. Hobbs, C. Johnson, Lanier, Rogerson, Saunders, J. A. Williams.

SESQUICENTENNIAL CELEBRATION. Messrs. Bradshaw, Chairman; Berryhill, R. E. Coker, Connor, W. T. Couch, Dey, MacNider, Newsome, C. P. Russell, L. R. Wilson, Director.

SORORITIES. Mrs. Janet Hoover, Chairman; Dean Stacy, Dean Mackie, Mrs. N. B. Adams, Miss Herring, Mrs. Ferrell.

SPECIAL SERVICES. Messrs. S. E. Smith, Chairman; Cook, Cornwell, Couch, Emory, Epps, Fleming, Grumman, King, Selden, Teague, Winslow.

STUDENT ENTERTAINMENT. Messrs. Harland, Chairman; Haydon, Selden, with student representatives of the College of Arts and Sciences and the School of Commerce.

SULLIVAN AWARD. Messrs. Bradshaw, A. W. Hobbs, House.

WEIL LECTURES. Messrs. Carroll, Chairman; Heath, G. B. Johnson, Robson, Wettach.

PART TWO

GENERAL INFORMATION

THE UNIVERSITY

Historical Sketch of the University of North Carolina

The University of North Carolina, the first state university in the United States to open its doors to students, is celebrating during the biennium 1943-1945 its Sesquicentennial Anniversary.

The origin of the University may be traced to Section XLI of the North Carolina Constitution of 1776, which declared that "all useful learning shall be duly encouraged and promoted in one or more universities." Sponsored by William Richardson Davie, "father of the University," the University was chartered by the General Assembly through an act passed December 11, 1789, which declared that "in all well regulated Governments, it is the indispensable duty of every Legislature to consult the Happiness of a rising Generation, and endeavor to fit them for an honorable Discharge of the Social Duties of Life, by paying the strictest attention to their Education." On December 21, 1789, the General Assembly passed an accompanying act providing for the erection of buildings and for the support of the University throught escheats and arrearages due the State.

A special meeting of the Board of Trustees was held at Fayetteville on December 18, 1789, to accept Benjamin Smith's offer of 20,000 acres of land. The first regular meeting of the trustees occurred at Fayetteville on November 15, 1790, as required by the charter. In 1792, a committee headed by Frederick Hargett selected New Hope Chapel, now Chapel Hill, as the site for the University. On October 12, 1793, Davie, as Grand Master of Masons, laid the cornerstone of Old East, the first building. Formal opening exercises were held January 15, 1795, but the first student did not arrive "on the hill" until February 12. For two weeks he was the student body. At the end of the term there were two professors and forty-one students.

The University began its career with a gift of land warrants for 20,000 acres, cash amounting to $2,706.41, and a loan of $10,000 (afterwards converted into a gift) made by the Legislature in 1791 as a result of the interest and leadership of Davie as a member of the House. By constant struggle and periodic

appeals for private benefactions, the institution grew despite general poverty, opposition to taxation, denominational hostility, and sectional controversies between eastern and western North Carolina. The General Assembly made no specific appropriations for its maintenance until 1881, but through the act passed in 1789 it exempted the University from taxation, made it the beneficiary of escheats and arrearages due the State, and in 1867, it appropriated $7,000 to pay indebtedness to officers incurred during and immediately after the Civil War.

Prior to 1804, the University was under a succession of "presiding professors." This was not a satisfactory system and in 1804 Joseph Caldwell was elected the first president. Under Caldwell (1804-1812, 1817-1835), the University grew from a small classical school into a creditable liberal arts college. After 1815, natural sciences were placed on terms of equality with the humanities.

When Caldwell was succeeded by David L. Swain in 1835, the University was widely known as center of sound scholarship and teaching. During his long tenure (1835-1868), Swain devoted his administration to a program of drawing the institution and the State close together. More emphasis was placed on subjects designed to prepare men for public service—history, law, rhetoric, and public speaking. The ideal of public service overshadowed general culture prior to 1860. During these years, the enrollment of the University reached a peak of 456 (1858) and its alumni included one president of the United States, one vice-president, seven cabinet officials, ten United States senators, forty-one representatives in Congress, fifteen state governors, and many state judges and legislators. From 1814 when a University alumnus first became governor until the present time, twenty-six of the forty-three governors of North Carolina have studied at Chapel Hill.

The University remained open during the Civil War although most of its faculty and students joined the Confederate armies. Reconstruction, however, closed its doors for five years (1870-1875). Through the efforts of the alumni and Mrs. Cornelia Phillips Spencer, a Chapel Hill resident, the University was reopened in 1875.

By the Constitution adopted in 1868 the General Assembly has "power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchises and endowments thereof in anywise granted to or conferred upon the trustees of said University; and the General Assembly may make such provisions, laws and regulations, from time to time, as may be

necessary and expedient for the maintenance and management of said University." The Governor of the State is *ex officio* President of the Board of Trustees.

The same Constitution, in connection with "Benefits of the University," further states: "The General Assembly shall provide that the benefits of the University, as far as practicable, be extended to the youth of the State free of expense for tuition; also, that all the property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estates of deceased persons, shall be appropriated to the use of the University."

From its reopening to 1944, the University has had seven presidents, each of whom made a distinct contribution to its expansion and progress. Dr. Kemp Plummer Battle, president (1876-1891), reorganized the University in 1875, established the first summer normal session in the South (1877), secured the first regular appropriation for maintenance (1881), and wrote a two-volume history of the University. George Tayloe Winston (1891-1896) "made its campus the dwelling place of dynamic democracy and a citadel against the forces of intolerance and bigotry." Edwin Anderson Alderman (1896-1900) opened its doors to women. During the administration of Francis Preston Venable (1900-1914), the University's financial condition improved, the physical plant was considerably expanded, athletics were encouraged, and creative scholarship was required of the faculty. The brief administration of Edward Kidder Graham (1914-1918) was notable for the enlargement of the University's service to the State at large, increased resources for administrative and building purposes, and a strengthening of student morale and honor standards. President Harry Woodburn Chase (1919-1930) guided the University through a period of rapid physical expansion, and during this time the University achieved an international reputation for high standards of scholarship and freedom in research and teaching. Student enrollment increased rapidly and maintenance appropriations reached an all-time peak in 1928-1929 of $894,379. Increasing emphasis was shown in the social sciences and graduate work. The Graduate School was reorganized in 1920, the University of North Carolina Press was incorporated in 1923, and the Institute for Research in Social Science was organized in 1924. Professional schools of law, medicine, pharmacy, engineering, education, and commerce attained a standing which gave the University its widening reputation.

Under President Frank Porter Graham (1930-) the University has continued to make progress. The administrative consolidation of the University, the North Carolina College for

Women at Greensboro, and the North Carolina State College of Agriculture and Engineering at Raleigh into The University of North Carolina was effected in 1932. New schools and divisions were added at Chapel Hill—Library Science in 1931, the General College in 1935, and Public Health in 1936. The Institute of Government became a part of the University in 1942.

The physical plant of the University at Chapel Hill has had two notable periods of expansion. The first occurred in the 1920's, the second in the late 1930's and early 1940's. The present value of the physical plant and the physical property is approximately $15,000,000. Enrollment at Chapel Hill reached a total of 4406 in 1941-42. From the beginning to the present, the University has enrolled approximately 40,000 students to 15,000 of whom it has awarded degrees. Since the United States entered World War II in 1941, the University has placed its facilities at the disposal of the armed services. The Navy has maintained on the campus a Pre-Flight School and ROTC and V-12 units, including Marines and medical students. The Army has been represented by a Pre-Meterological unit and A.S.T.P. units in medicine and in language and area study.*

Organization and Degrees

The University is organized into a General College (which gives the general academic work of the first two years), a College of Arts and Sciences, and six schools which have jurisdiction over degrees as shown below:

THE COLLEGE OF ARTS AND SCIENCES

- Bachelor of Arts
- Bachelor of Arts in Journalism
- Bachelor of Science in Chemistry
- Bachelor of Science in Geology
- Bachelor of Science in Physics
- Bachelor of Science in Medical Technology
- Bachelor of Science in Public Health Nursing
- Bachelor of Science in Public Health
- Bachelor of Science in Bacteriology
- Bachelor of Arts and Laws (with the School of Law)
- Bachelor of Science in Medicine (with the School of Medicine)

THE SCHOOL OF COMMERCE

- Bachelor of Science in Commerce
- Bachelor of Science in Commerce and Laws (with the School of Law)

* For more detailed information concerning the University, see Kemp Plummer Battle's two-volume *History of the University of North Carolina* published 1907-12.

THE GRADUATE SCHOOL
- Master of Arts
- Master of Arts in Education
- Master of Science
- Master of Science in Sanitary Engineering
- Master of Science in Social Work
- Master of Science in Public Health
- Master of Education
- Master of Public Health
- Doctor of Public Health
- Doctor of Philosophy

THE SCHOOL OF LAW
- Bachelor of Laws
- Doctor of Law
- Bachelor of Arts and Laws (see above)
- Bachelor of Science in Commerce and Laws (see above)

THE SCHOOL OF MEDICINE
- Bachelor of Science in Medicine (see above)

THE SCHOOL OF PHARMACY
- Bachelor of Science in Pharmacy

THE SCHOOL OF LIBRARY SCIENCE
- Bachelor of Science in Library Science

In the Summer Sessions are offered many courses for which regular University credit is allowed, including special courses designed primarily for the teachers of the State. Practically all the work offered is of collegiate grade and may be counted towards some degree from the University.

Department of Naval Science and Tactics

The Department is a unit of the Naval Reserve Officers' Training Corps (N.R.O.T.C.) established by the Act of Congress, approved March 4, 1925. The unit is administered by commissioned officers of the United States Navy, most of whom are graduates of the United States Naval Academy, Annapolis, Md. These officers have had considerable experience at sea and are especially selected by the Navy Department for this duty.

The course is open only to young men who intend to complete four years' training for a commission in the United States Naval Reserve or the United States Marine Corps Reserve. Credits in this course are given by the University and are counted in the credit-hours for a degree. Satisfactory completion of the four-year course, together with the summer cruises will qualify the student for a commission in the Naval or Marine Corps Reserve, provided he obtains a degree and passes the prescribed physical examination.

Uniforms and equipment are furnished students without charge. All textbooks are loaned the students. During the last two years of the course each student will receive an approximate total of $175 in pay and allowances from the Federal Government. There is no special tuition charge.

Practice cruises will be held annually as prescribed by the Navy Department. All N.R.O.T.C. students attending the cruises are furnished transportation and subsistence by the Federal Government.

Primarily, the purpose of the course is to provide instruction which will qualify the graduates to become deck officers in the Navy in time of national emergency. It is also valuable training for any career, particularly the merchant marine.

Division of Extension

There is also a Division of Extension through which the services of the University Faculty and certain material equipment of the University are made available to the people of the State generally.

The General Faculty of the University

By action of the Trustees of the University the General Faculty includes all members of the University's teaching force above the rank of Instructor and all general administrative officers of the institution. In the President and the General Faculty is vested final authority (under the Trustees) over all matters of University policy and activity. Under the General Faculty the Colleges and the Schools have separate Faculties and Administrative Boards, which have final authority over matters pertaining solely to such Colleges or Schools.

Scholarships and Other Financial Assistance

There are certain endowed scholarships available for students who can show good attainments in scholarship along with definite financial need. Information in regard to them can be secured by writing to Mr. Edwin S. Lanier.

The University has a sum of money which may be loaned to worthy students who can show definite need. Information can be secured from Mr. J. A. Williams.

There are certain positions involving various kinds of work which enable some students to earn a part of their expenses. Information about this can be secured from Mr. Edwin S. Lanier.

Students should not come to the University unless they are able to pay their bills immediately upon registration. All ar-

rangements about payment of bills must be made in advance of registration, whether by way of loans, scholarships, acceptance of notes, or in any other manner.

The College Year

The college year is divided into Summer, Winter, and Spring Semesters of approximately sixteen weeks each, the Summer Semester divided into two terms of about eight weeks each. The School of Law divides its work into two terms; it conducts a summer session also coinciding in extent with one Summer term in academic subjects. For the duration of the war the School of Medicine admitted an entering class in June, 1942, and thereafter at intervals of nine months. There is a Christmas recess of approximately two weeks.

Religious Influences

Through the cooperation of all concerned, religious influences of unusually effective character surround the University student. Chapel exercises are held in Memorial Hall at ten-thirty o'clock. The Young Men's Christian Association, and Young Women's Christian Association, to which the University makes annual contributions, are of great value in the life of the campus.

The larger denominations of the State have erected at Chapel Hill modern and adequate church plants. The Chapel Hill churches are manned by an effective and cooperative group of pastors, are all located in close proximity to the campus, and play a very large and genuine part in the life of the University.

Physical Education

Hearty encouragement is given to athletic sports and to all kinds of physical culture.

In addition to intercollegiate athletics the University fosters an unusually extensive program of intramural sports, involving over half the undergraduates in a wide variety of games. Complete schedules are played in a variety of individual and team activities, including tennis, golf, fencing, table tennis, bowling, boxing, wrestling, track and field, quoits, tag-football, indoor and outdoor baseball, basketball, and soccer. Intramural teams offer every interested student opportunity for participation in some interesting and healthful form of competition with his fellows for learning teamwork and good sportsmanship.

Physical education is required of all undergraduate men four periods each week and of all undergraduate women at least two periods a week. A course in hygiene is required of all freshmen the equivalent of once each week for the year.

A thorough physical examination is given to students at the time of entrance. All students are classified on the basis of the examination and effort is made to adapt the program to the individual's particular needs. Particular attention is given to various remediable defects, and individual programs are built with the idea of improving or correcting the existing conditions.

It is hoped that all students can develop sufficient skill in various recreational activities that continued participation in the activity will result.

The program of intercollegiate athletics includes a great variety of seasonal competitive games with the idea of promoting maximum participation by members of the student body.

More advanced courses in physical education are offered to upperclassmen who plan to become athletic directors or coaches.

Medical Attention

In order to provide proper attention for the student during sickness the University employs five full-time physicians and maintains a well appointed infirmary. The infirmary is equipped with all necessary conveniences and comforts, and with a modern X-ray unit and laboratory for diagnostic purposes under the direction of a full-time technician. It is under the immediate supervision of the University Physician, and is provided with four experienced nurses. At the discretion of the University Physician a student may be admitted to its wards, and for such services as may be rendered by the staff no charges are made. But should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon), recommended by the attending physician and approved by the parent or guardian, be necessary, the student will be required to pay for such service.

THE DIVISION OF MEDICAL SCIENCES

In order to coordinate more closely the medical activities and interests of the University with particular reference to teaching and research, a Division of Medical Sciences has been set up. This Division includes the School of Medicine, the School of Public Health, the Tri-County Health Unit (a teaching agency for the School of Public Health and the Medical School) and the University Health Service. The schools and departments in the Division have representation on the Divisional Board which serves in an advisory capacity to the University Administration on all medical matters, and also in an advisory capacity to the two schools and two departments making up the Division.

The following members of the faculty comprise the Advisory Board:

Walter Reece Berryhill, *Dean of the School of Medicine,* Chairman.

Milton Joseph Rosenau
William LeRoy Fleming
Herman Glenn Baity
Wesley Critz George
James Clarence Andrews
Russell Lowell Holman
William Perry Richardson
William Brewster Snow
Edward McGowan Hedgpeth
John Nathaniel Couch
Ralph Walton Bost

THE DIVISION OF STUDENT WELFARE

General Statement

The Division of Student Welfare was established to coordinate and promote the work of all University agencies and organizations affecting the welfare of students. Its work is understood to embrace all University relationships with students other than formal instruction. These relationships all have educational significance and are recognized as an integral part of the educational program of the University.

In recent years of University growth many agencies have come into existence to promote in various ways the wholesome growth of students and student life. To relate most effectively the respective functions of such agencies and to focus the entire guidance resources of the institution on the particular needs of students both as individuals and as groups is the responsibility of this Division through its Administrative Board.

*The Administrative Board

ALLAN WILSON HOBBS
MRS. MARVIN HENDRIX STACY
DUDLEY DEWITT CARROLL
ROBERT BURTON HOUSE
HARRY FULCHER COMER
WALTER REECE BERRYHILL
ROBERT ALLISON FETZER
J. MARYON SAUNDERS
WILLIAM DECATUR PERRY
HARRY WOLVEN CRANE
JAMES ALLEN WILLIAMS
EDWARD MCGOWAN HEDGPETH
ERNEST LLOYD MACKIE
OLIVER KELLY CORNWELL
EDWARD EVERETT HAZLETT, JR.
HAROLD DIEDRICH MEYER
CECIL JOHNSON
EDWIN SIDNEY LANIER
GUY BERRYMAN PHILLIPS
WILLIAM DONALD CARMICHAEL, JR.
MRS. MARTHA VANDEVER
JAMES ARTHUR BRANCH
KEMP SHIELDS CATE
WILLIAM SMITH WELLS
CLAUD EDWARD TEAGUE
FRANCIS FOSTER BRADSHAW, *Chairman*

Because of the intimate relationship of this division to student life, there is an Advisory Board composed of students appointed annually by the President of the University on the joint nomination of the President of the Student Body and the Chairman of the Board. The following were appointed for 1944-1945:

SARA MARGARET MCEACHERN
CHARLES FRANK BENBOW
WILLIAM THOMAS CRISP
ROBERT MARTIN WALKER
JAMES FREDERICK NEWSOME
CATHERINE PAULINE KELLY
JEAN RENWICK RANKIN
THARON ELIZABETH YOUNG
CHARLES HERBERT WICKENBERG, JR.
PATRICIA LEE HUGHES
JOHN DOUGLAS HUNT, JR.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and administrative. These functions are exercised by the Student Council and the Class Honor Councils.

Student Council Members, 1944-1945

CHARLES FRANK BENBOW, JR., *Chairman*
WILLIAM THOMAS CRISP, *Vice-Chairman*
WILLIAM JENNINGS TRIPP, *Secretary-Treasurer*

ROBERT L. GAVIN
ARCHIBALD ANDREY HOOD
WALTON WHITE ANDREWS
JOHN ERNEST VERNIER
JOHN RING
WILLIAM F. MCNEELY
JOSEPH F. MALLARD
ROBERT PARSONS
LAURENCE LEWIS HOOPER
RICHARD BRAMLEY FORD, JR.
JAMES GIBSON TRAYNHAM
EDWARD LOUIS TWOHEY

The Student Council is composed of fifteen members, eight representing the service units in the University, the V-12, N.R.O.T.C., and Marine units, and seven representing the civilian students. The President of the Student Body is *ex officio* Chairman of the Council.

Student government, in so far as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct. The Student Council is the executive expression of the honor principle. Its members being elected of the students by the students, it is grounded upon, and gives expression to, student sentiment. The Council is not an organization of policemen, nor is it based upon a system of espionage. When any student is thought by his fellow students to be unworthy to remain in the University, the Council takes cognizance of this thought. It examines the matter, finds the facts in the case, and decides upon the course to be pursued. If the student is found guilty of conduct unworthy of a University man, he is promptly required to withdraw from the University. Among the offenses usually requiring withdrawal are drunkenness, cheating, and gambling.

THE UNIVERSITY LIBRARY

CHARLES EVERETT RUSH, *Director*

The Administrative Board

SUSAN GREY AKERS
GEORGE RALEIGH COFFMAN
JOHN NATHANIEL COUCH
STURGIS ELLENO LEAVITT
WILLIAM DEBERNIERE MACNIDER
ALBERT RAY NEWSOME
WILLIAM WHATLEY PIERSON
CHARLES E. RUSH, *Chairman*
BERTHOLD LOUIS ULLMAN
ROBERT HASLEY WETTACH
JOHN BROOKS WOOSLEY

Staff Heads of Departments

OLAN VICTOR COOK, *Assistant Librarian*
MILDRED WINSOR DAVIS, *Periodicals Department*
GEORGIA HICKS FAISON, *Reference Department*
J. G. DEROULHAC HAMILTON, *Director, Southern Historical Collection*
CORNELIA SPENCER LOVE, *Order Department*
NELLIE ROBERSON, *Library Extension Department*
GILES FREMONT SHEPHERD, JR., *Circulation and Documents Departments*
ELIZABETH HARDY THOMPSON, *Catalogue Department.*
MARY LINDSAY THORNTON, *North Carolina Collection*

The University Library contains more than 450,000 volumes. Its main collections are housed in a building erected in 1929 which seats 1,000 readers. Approximately 20,000 titles are added annually by purchase, gift, and exchange. General reference resources are strengthened by 85,270 bound periodicals, 4,500 current serials, and exceptional sets of federal and state publications.

Special collections of importance include: The Hanes Foundation for the Study of the Origin and Development of the Book; the Southern Historical Collection of 2,000,000 manuscripts; the North Carolina Collection of 90,000 items relating to the State; together with important collections of American drama, Spanish drama, Folklore, Latin-American studies, and the Negro. The Library has extensive bibliographical facilities, including several depository catalogues of other libraries. Frequent messenger service and other cooperative relationships with the Duke University Library make the holdings of that great collection exceptionally available, and active microfilm service miraculously brings all other libraries near at hand.

Other facilities for graduate study and research include seminar rooms and 162 individual carrells located in the bookstack, as well as the special collections serviced in the 14 departmental libraries assigned to Commerce, Law, Mathematics and Physics, Geology, Medicine and Public Health, Rural Sociology, Botany, Chemistry, Library Science, Psychology, Music, Art, Pharmacy, and Zoology.

THE UNIVERSITY OF NORTH CAROLINA PRESS

William Terry Couch, *Director*

Board of Governors

Robert Hasley Wettach, *Chairman*

Robert Burton House
Howard Washington Odum
George Coffin Taylor
Frank Porter Graham
Russell Marvin Grumman
Sturgis Elleno Leavitt
Louis Round Wilson
Robert Digges Wimberly Connor
William Chambers Coker
Rupert Bayless Vance
Henry McGilbert Wagstaff
Charles Baskerville Robson
Ralph Walton Bost

The University of North Carolina Press was incorporated on June 12, 1922. The objects for which it was established are: (1) to publish periodicals devoted to the advancement of learning and produced at the University by or under the direction of the Faculty; (2) to publish catalogues, bulletins, and other documents pertaining to the University and its various schools and departments; and (3) to promote generally, by publishing deserving works, the advancement of the arts and sciences and the development of literature.

The Press was established under the authority of the Board of Trustees of the University, is a non-stock corporation, is financed in part by the University, and its policies are determined by a Board of Governors drawn from the Faculty and Board of Trustees.

The Press has published twenty-five to thirty books per annum during recent years. The Press also publishes the following periodicals: *The Journal of the Elisha Mitchell Scientific Society; Studies in Philology; The James Sprunt Historical Studies; The High School Journal; Social Forces; The North Carolina Law Review; The University of North Carolina Extension Bulletin; The Library Extension Publications; The University News Letter; The University of North Carolina Record.*

The Press offices are located in Bynum Hall. The agents of the Press for Great Britain and the British Dominions are respectively *The Oxford University Press,* London, for books; *The Cambridge University Press,* London, for periodicals. Agencies in Europe, Japan, and China have been interrupted since September, 1939. A complete list of publications issued by the Press will be supplied to any address on request.

THE INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*
ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina.*
GORDON WILLIAMS BLACKWELL, Ph.D., *Director*
KATHARINE JOCHER, Ph.D., *Assistant Director*

Board of Governors

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MARGARET MESSENGER EDWARDS
JOSEPH GREGOIRE DEROULHAC HAMILTON
ARTHUR MELVILLE JORDAN
ALBERT RAY NEWSOME
HOWARD WASHINGTON ODUM
WILLIAM WHATLEY PIERSON
CHARLES BASKERVILLE ROBSON
WILL CARSON RYAN, JR.
ROBERT HASLEY WETTACH
LOUIS ROUND WILSON

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GORDON WILLIAMS BLACKWELL, Ph.D., *Research Professor*
ERNEST RUTHERFORD GROVES, A.B., B.D., Litt.D., *Research Professor*
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PAUL WOODFORD WAGER, Ph.D., *Research Professor*
**MARGARET JARMAN HAGOOD, Ph.D., *Research Associate*
HARRIET L. HERRING, A.M., *Research Associate*
EDITH WEBB WILLIAMS, Ph.D., *Research Associate*
FRANK ALAN BURTNER, A.M., *Research Assistant*
EDNA CATHERINE COOPER, A.M., *Research Assistant*
SPENCER BIDWELL KING, JR., A.M., *Research Assistant*
RUTH GRANBERRY LYNCH, A.M., *Research Assistant*
MARGARET NELL PRICE, A.B., *Research Assistant*
ANNA GREENE SMITH, A.M., *Research Assistant and Rosenwald Fellow*
EDITH VIRGINIA STONE, B.S., *Research Assistant*

The Institute for Research in Social Science was organized in 1924 with the appointment by President Harry Woodburn

* On leave as Executive Director of the Southern Regional Council, Atlanta, Georgia.
** On leave as Chief, Section on Population, Division of Farm Population and Rural Welfare, Bureau of Agricultural Economics, United States Department of Agriculture, Washington, D. C.

Chase of a Board of Governors composed of representatives from the fields of history, government, economics, sociology, rural social-economics, publications and library administration, and educational psychology. Since this Board is flexible, new members being recommended by the Board of Governors and appointed by the President, the membership was later augmented to include additional representatives from history, political science, economics, and education, to which was added the Dean of the School of Law. In 1933, after the organization of the Consolidated University to include the University at Chapel Hill, the Woman's College at Greensboro, and the State College of Agriculture and Engineering at Raleigh, representatives of the last two institutions were added to the Board and began functioning in their capacity of general planning and approval of research programs and budgets.

The present plan of organization of the Institute provides for a Director, an Assistant Director, and a Central Office with an adequate clerical staff through which assistance is rendered to Institute staff members and other faculty members and through which a central coordinating agency has been set up. The research staff of the Institute is composed of full-time research professors, research associates, and research assistants, in addition to part-time assignments made to individuals in accordance with the research programs adopted and followed out from year to year.

The functions of the Institute are several. First, to encourage and stimulate research in the social sciences at the University of North Carolina, to discover and develop research personnel, and in particular to map out and plan for a research program through which facilities may be more abundant and coordination and integration more articulate. A second function is to serve as a training center for research and planning personnel and teachers within the region which the Institute serves. A third function has been to focus upon regional problems and regional research and to serve as a center for cooperating with other agencies in the field toward the end of stimulating more adequate research in social science and of developing procedures for making this research of more functional value in the life of the region. In the pursuance of these larger purposes there is the specific function of the Board of Governors to plan, legislate, and give general direction to the Institute's program, while other routine functions are assigned to the Director and Assistant Director of the Institute, who, with the President of the University, are authorized to carry on details of administration, to supervise any general research activities and projects coming under the direction of the Institute, and to cooperate with

particular faculty members or other directors of specific research projects.

The relation of the Institute to the University is somewhat analogous to the schools and major divisions of the institution. Its research professors and research associates have the rank of professors and associate professors in the University with all their privileges and obligations, but with the general allocation of two-thirds time to research with one-third time devoted to teaching. The principal sources of financial support have been the Laura Spelman Rockefeller Memorial, the Rockefeller Foundation, and the General Education Board, with additional funds from other agencies and individuals and from the University. There have been substantial returns from the Institute's publications of which more than 70,000 copies have been distributed.

Types of research aid have extended over a wide range. Due to a "planned" research program for a particular state and regional setting with particular opportunities, one of the first needs was to provide research specialists for certain fields, to give them desirable status, and to provide adequate assistance for them. Closely correlated with this, a second type of research aid is that of research assistants, on annual appointment, whose function is either to aid research professors and associates or to be assigned to aid other university professors in the prosecution of research projects accepted or sponsored by the Institute. The duties of these research assistants are clearly differentiated from those of university fellows in that the assistant's task is to help in a particular program to which he is assigned as opposed to the principle of the fellowship in which the money is allocated to the individual to help him in his own work. A third type of assistance is that rendered to individual professors in the several departments of social science in the prosecution of scholarly research or publication.

The studies and materials of the Institute may be grouped under the general catagories of southern regional research in the following fields: general regional culture and economy, population, local government, historical backgrounds, communication media, socio-economic activities (including studies in social-industrial relationships), crime and criminal justice, the Negro, folklore and folk backgrounds, social institutions, housing, community organization, public welfare, human geography, and regional, state, and local planning. Certain studies are centered in the group-of-counties Subregional Laboratory which is projected as an area in which a miniature Piedmont South can be utilized as a living laboratory for social research and planning. The Institute maintains a unique Laboratory Workshop with

2,400 square feet of wall exhibit space and 540 square feet of table and shelf exhibit space. This room is used for conferences, teaching, audio-visual programs, and study.

To date, the Institute has cooperated in publishing more than 80 books and monographs, while four times as many articles have resulted from Institute studies. In the files of the Central Office are some 250 manuscripts, classified under more than 40 specified fields of research, which have grown out of the Institute program.

The policy underlying the general planning and execution of research programs and projects has tended to emphasize, in addition to the state and regional laboratory factors, long-time research, susceptible, however, to units available for shorter-time completion and commensurate with the personnel and resources available. Although projects are selected with a dominance of state and regional subjects, priority is given to those subjects which would have generic value in both the practical results and the possible methodology and general social theory which might be evolved.

Additional information and application blanks for appointment to research assistantships may be obtained by writing to the INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE, The University of North Carolina, Chapel Hill, North Carolina.

THE INSTITUTE OF GOVERNMENT

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*
ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor and Vice-President of the University of North arolina.*
ALBERT COATES, A.B., LL.B., *Director*
PEYTON BRYANT ABBOTT, A.B., LL.B., *Assistant Director*
CLIFFORD EDNEY PACE, A.B., LL.B., *Assistant Director*
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The Institute of Government grew out of the classroom of a Professor in the University of North Carolina in the 1920's. It developed into a program of action supported by city, county, state, and federal officials in North Carolina during the 1930's. It became an integral part of the structure of the Greater University of North Carolina in January, 1942. Its governing board consists of three mayors representing the cities and towns, three county commissioners representing the counties, and three state officials representing the state. To this group has been added five representatives of the Consolidated University of North Caro-

lina. This governing board will function under the chairmanship of Justice William Augustus Devin of the Supreme Court of North Carolina, who has been chairman of the Institute of Government Executive Committee from the beginning.

The Institute of Government unites: (1) public officials, (2) private citizens, (3) students and teachers of civics and government, in a systematic effort to meet definite and practical needs in North Carolina.

(1) It seeks to coordinate the efforts and activities of city, county, state, and federal officials who have been working for one hundred and fifty years on the same problems, for the same people, in the same territory, in overlapping governmental units without coming together in systematic and continued cooperative effort—in the effort to eliminate needless duplication, friction, and waste.

(2) It seeks to bridge the gap between outgoing and incoming public officials at the end of their two- or four-year terms by organizing and transmitting our steadily accumulating governmental experience to successive generations of public officials—in the effort to cut down the lost time, lost motion, and lost money involved in a rotating governmental personnel.

(3) It seeks to collect and correlate for each group of public officials the laws governing their powers and duties now scattered through a multiplicity of books to the point of practical inaccessibility in: constitutional provisions, legislative enactments (including public, public-local, and private laws), municipal ordinances, and court decisions—in the effort to make them conveniently available for practical use.

(4) It seeks to collect and compare the different methods of doing similar things arising out of the initiative and resourcefulness of officials in a hundred county courthouses, three hundred city halls, and scores of state departments and federal agencies—in the effort to raise the standards of governmental performance by lifting the poorest practices to the level of the best.

(5) It seeks to bridge the gap between government as it is taught in schools and as it is practiced in city halls, county courthouses, state departments, and federal agencies.

(6) It seeks to provide the machinery for putting the people in touch with their government and keeping them in touch with it.

(7) It seeks to build a demonstration laboratory and clearing house of governmental information to which successive generations of officials, citizens, and students and teachers of government may go to see demonstrated in one place the methods and

practices in government they would now have to go to one hundred counties, about three hundred cities and towns, and a score or more of state departments to find—and would not find practically available for use when they have reached these sources.

The Institute of Government is working with officials and citizens and the schools to achieve the foregoing objectives through comparative studies of the structure and workings of government in the cities, counties, and State of North Carolina, by staff members going from one city hall, county courthouse, state department, and federal agency to another, collecting, comparing, and classifying the laws and practices in books and in action; it is setting forth the results of these studies in guidebooks, demonstrating them in laboratories, teaching them in training schools, keeping them up to date, and transmitting them through a clearing house of governmental information for officials, citizens, and teachers of civics and government in the schools.

*PERSON HALL ART GALLERY

**JOHN VOLNEY ALLCOTT, M.A., *Director*
***HARRIET DYER ADAMS, M.A., *Curator and Acting Director*
KENNETH NESS, *Acting Director; Director of the U. N. C. War Art Center.*
HELENE TIRANOFF, *Curator*

Open free daily with a program of exhibits and gallery talks. Shown in 1944-1945 were: Burgundian and Cistercian Architecture and Sculpture; Brazil Builds (Contemporary architecture of Brazil); 8th Annual Exhibition of N. C. Artists; Bali: Background for War (Life and behavior of Balinese people interpreted through their works of art and photographs of everyday life); Story of Modern Art (from the Art Department's collection of color reproductions); 20th Century Drawings; From Sketch to Stage; Six American Painters; Woodcuts by Louis Schanker; 8th N. C. School Art Exhibit; 9th Annual Exhibit U. N. C. Art Students; Sesquicentennial Special Exhibition of Paintings; Anne Goldthwaite Paintings and Drawings.

Person Hall Art Gallery houses the departmental library of art books and other reference material on current courses and exhibitions. Also in Person Hall are the Weil Collection of photographs of Italian Renaissance art, the Jacocks Collection of American prints, a collection of American prints and paintings and photographs by Bernice Abbott permanently allocated by the Works Progress Administration, the Department's cellection of color reproductions of old and modern masters and the Picture Rental Collection of framed color reproductions.

The War Art Center, established in October, 1942, is organized to serve the needs of various war-time agncies and other organizations in this region. A secondary function, that of giving art students actual studio experience on practical problems, is fulfilled through class curriculum that includes lettering, layout, design, posters, charts and other visual aids, drawings for projection film slides, silk screen printing, and other reproduction processes. Productions include posters for salvage, OPA rationing information, war bonds, and worker morale and absenteeism, drawings for projection films, and other materials used locally and throughout the state.

* Person Hall was built in 1795 as the university chapel and finished in 1797 by gift of General Thomas Person. It was restored in 1937 by government agencies and through the efforts and gift of Mrs. Katharine Pendleton Arrington.
** Absent on leave in war service.
*** Resigned December 31, 1944.

The Bulletin of Person Hall Art Gallery, published throughout the year at intervals, contains notices of acquisitions and loans, and announces gallery activities. It is sent to anyone requesting it.

The Friends of Person Hall is a public organization founded in February 1941 to help in the development of the arts in North Carolina by working with the Department of Art.

MRS. FLOYD H. EDMISTER, *Chairman*
MRS. PRESTON C. FARRAR, *Vice-Chairman*
MRS. H. M. BURLAGE, *Secretary*
MRS. GEORGE LANE, *Treasurer*

Executive Board

MRS. K. P. ARRINGTON, *Hon. Life Member*
MR. GEORGE LURCY, *Hon. Life Member*
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MRS. ALBERT COATES
MR. LOREN MACKINNEY
MISS MAISIE PATTERSON
MR. SAMUEL SELDEN
MR. KENNETH NESS, *ex officio*

THE FOLKLORE COUNCIL

RUSSELL MARVIN GRUMMAN, *Chairman*
RALPH STEELE BOGGS, *Archivist*
*ROBERT WHITE LINKER, *Secretary-Treasurer*

**Executive Committee

GLEN HAYDON
ROBERT BURTON HOUSE
ARTHUR PALMER HUDSON
*JOHN V. ALLCOTT

†Advisory Board

GORDON W. BLACKWELL
ESTON EVERETT ERICSON
FRANK PORTER GRAHAM
PAUL GREEN
RICHARD JENTE
PHILLIPS RUSSELL
SAMUEL SELDEN

The Folklore Council was organized in September, 1935, to promote the cooperation and coordination of all those interested in folklore, and to encourage the collecting and preserving, the study and interpretation, the active perpetuation and dissemination of all phases of folklore. Folklore is defined by the Council as embracing all cultural aspects of folk life.

The Council represents a reorganization of The Institute of Folk Music, which was started in September, 1931, and which now becomes a division of the Council. It was found that there was need for a comprehensive organization to unify and stimulate the variety of interests in folklore represented in the membership of the former Institute of Folk Music. There is at present one Division of the Council, namely: The Institute of Folk Music.

* Absent on leave in military service.
** The three general officers named above are members of the Executive Committee.
† All members of the full Executive Committee are members of the Advisory Board.

The Institute of Folk Music

GLEN HAYDON, *Director*
JAN PHILIP SCHINHAN, *Associate Director*

Advisory Board

RICHARD CHASE
FLETCHER COLLINS
PAUL GREEN
GEORGE HERZOG
GEORGE PULLEN JACKSON
JOHN POWELL
HELEN ROBERTS
CHARLES SEEGER
LAMAR STRINGFIELD
CHARLES G. VARDELL

FUNCTIONS OF THE INSTITUTE

As defined by the Council, folklore embraces all cultural aspects of folk life. In all lands the latter is closely allied to, and interwoven with, music in its various manifestations: as song, dance, or religious worship.

The Institute of Folk Music has varied, though related, aims:

1. The collection and preservation of indigenous material, as found in the various regions of the State.

2. The perpetuation of traditional songs, dances, and hymns through teaching traditional music in the schools and communities, as well as organizing county folk festivals and "old-time-music" conventions.

3. The scientific study, analysis, and interpretations of all the collected material.

4. The furtherance of composition based on folk music.

The Department of Music collaborates in the accomplishment of these ends not only indirectly through its instruction in theoretical and applied music but more particularly through courses in folk music and comparative musicology, which are designed for the training of workers in this field.

PUBLIC LECTURES

The John Calvin McNair Lectures

FRANCIS FOSTER BRADSHAW, *Chairman*

This lectureship was founded through a bequest, made by the Rev. John Calvin McNair of the class of 1849, which became available to the University in 1906. In the year 1908 the series of lectures was inaugurated by Francis H. Smith, Emeritus Professor of Physics in the University of Virginia. The plan and purpose of the lectures are stated in the will which reads: "They shall employ some able Scientific Gentleman to deliver before all the students then in attendance at said University a course of Lectures the object of which Lectures shall be to show the mutual bearing of Science and Theology upon each other and to prove the existence and attributes, as far as may be, of God from Nature. The Lectures, which must be prepared by a member of some one of the Evangelic denominations of Christians, must be published within twelve months after delivery, in either pamphlet or book form."

The Weil Lectures

DUDLEY DEWITT CARROLL, *Chairman*

During the year 1914-1915 an unendowed lectureship on American Citizenship was established by the University. The first incumbent was ex-president William Howard Taft, who lectured on "The Presidency: Powers, Duties, Obligations, and Responsibilities." Since that time this foundation, named the Weil Lectures on American Citizenship, has been permanently established through the generosity of the families of Mr. Sol Weil and Mr. Henry Weil, of Goldsboro, N. C.

UNIVERSITY ORGANIZATIONS

Below are listed the various organizations in the University in which students find opportunities of advantage outside their regular academic or professional work. Those who are interested are urged to investigate these organizations.

The Senate of the Dialectic Literary Society and the General Assembly of the Philanthropic Literary Society

The Dialectic and the Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University and they have shown remarkable power in developing character, as well as in training the intellect. They offer facilities for practice in debate, oratory, and essay writing; and their members become familiar with parliamentary law and procedure.

In 1919 the Philanthropic Society was reorganized on the plan of the General Assembly of the State and changed its name accordingly. Similarly in 1924 the Dialectic Society after reorganization became the Dialectic Senate.

The Elisha Mitchell Scientific Society

The Elisha Mitchell Scientific Society holds monthly meetings during the college year for the discussion of scientific subjects. A *Journal,* which is the official organ of the Society and of the North Carolina Academy of Science, is issued quarterly. The objects of the society are to encourage scientific research and to record the results of such work, especially those that pertain to the natural history of the State. It is now in its sixty-first year. The volumes already issued contain more than seven thousand pages. By the exchange of the *Journal* with more than three hundred scientific journals and periodicals many thousands of books and pamphlets have been collected, all of which are arranged in the University Library. The membership is at present restricted to the faculty and students of the University, and members of the staff of the State Department of Conservation and Development.

The Philological Club

The Philological Club meets on the first Tuesday evening of each month during the college year. Its membership consists of the faculty and advanced students in the departments of language and literature of the University. The objects of the club

are to stimulate original investigation in language and literature and to afford an opportunity for the interchange of views on subjects relating to such work. At each meeting papers are read and discussed.

Le Cercle Francais

Le Cercle Français holds bi-monthly meetings at which topics of general interest pertaining to French literature and French life, manners, and customs are discussed. The French language is employed exclusively. It is the aim of the club to stimulate interest in the French language, and to provide its members with an opportunity to hear idiomatic French spoken and to use the language with more facility. All officers and students of the University interested in the study of French are eligible for membership.

El Club Espanol

The membership of *El Club Español* consists of students of the University who are interested in Spanish. The objects of the club are to stimulate interest in the language, literature, and customs of Spain, and to give its members an opportunity to hear and speak Spanish.

The North Carolina Club

The North Carolina Club was organized September 25, 1914, for the purpose of providing an open forum to review, interpret, and discuss the economic, social, and civic problems of the State. It is an organization composed of students and faculty members who are bent upon accurate, intimate acquaintance with North Carolina. The Club meets for an hour upon fortnightly Monday evenings for the reading and discussion of a paper prepared by a member for each meeting.

Musical Organizations

The Auditorium of Hill Music Hall, seating eight hundred people, with its four manual concert organ, is the home of recitals and concerts by faculty members, students in the department of music, and visiting artists. In addition to numerous radio programs, approximately twenty-five concerts and recitals on an average are given during the year.

Hill Hall contains a collection of records, scores, books on music, together with phonographs for audition purposes, which are accessible to all students of the University during certain hours daily.

The Department of Music extends its facilities with respect to both faculty and equipment to the support of the musical or-

ganizations. The work in Glee Club, Orchestra, and Band is carried on as a regular part of the curriculum in music. For conditions governing the granting of college credit for participation in these organizations see Department of Music.

THE UNIVERSITY GLEE CLUBS

The Men's Glee Club and the Women's Glee Club are open to all students of the University. Each group devotes its time to the study and performance of appropriate vocal literature and the schedule is so arranged that the two groups may join forces for the interpretation of compositions for a mixed chorus. Provision is made for frequent concert appearances of these organizations.

THE UNIVERSITY SYMPHONY ORCHESTRA

The personnel of this organization includes students, faculty, and townspeople. The rehearsals are devoted to the study of symphonic literature. Several concerts are given during the year.

THE UNIVERSITY BAND

The band is open to all students of the University. Special attention is given to the study and performance of the standard musical literature for this type of ensemble group. In addition, especially during the Autumn, the band cooperates with the Athletic Association in providing music for the football games, and usually makes one or more trips with the team. During the Winter and Spring, as conditions permit, concert tours throughout the State are arranged.

THE CHAPEL HILL CHORAL CLUB

The Chapel Hill Choral Club, an informal organization of students, faculty, and townspeople, gives two or three performances each year. In recent years such works as Gounod's *St. Cecilia Mass,* Haydn's *The Seasons,* Verdi's *Requiem,* a concert version of *Samson and Delilah* by Saint-Saens, three cantatas by Johann Sebastian Bach, and Mozart's *Requiem* have been given. Rehearsals are held each Monday evening.

ALPHA RHO CHAPTER OF PHI MU ALPHA (SINFONIA)

This chapter of the national honorary musical fraternity is composed of students of music, and such other students and faculty members as reveal particular interest in the participation in musical performance. The members of the chapter act as hosts for all musical events occurring in Hill Music Hall throughout the year. In order to create a fund from which scholarships for worthy students of music may accrue, the Alpha Rho Chapter of Sinfonia sponsors from time to time concerts by well-known musical artists.

The Carolina Playmakers

The Carolina Playmakers is the University dramatic organization.

Its purpose, as set down in the Charter is: "First, to promote and encourage dramatic art, especially by the production and publishing of plays, both stage and radio; Second, to serve as an experimental theatre for the development of plays representative of the traditions and present-day life of the people; Third, to extend its influences in the establishment of a native theatre in other communities." It is incorporated under the laws of the State of North Carolina as a non-stock corporation.

The Carolina Folk-Plays and other plays of American locale are written and produced in the University courses in Dramatic Composition and Production, members of the community of Chapel Hill — students, faculty, and townspeople — assisting. Those who contribute to the writing or producing of the plays constitute the membership of the organization. Any student may participate in any of the various departments of the work.

The Playmakers now have their own theatre building on the campus, fully equipped for all manner of experimentation and production. Besides this, their Forest Theatre furnishes an ideal setting for out-of-door productions. They have an adequate workshop for the construction and painting of scenery and for the making of costumes. Recently a studio has been established for the production of radio plays.

The large stage in the University auditorium, Memorial Hall, provides ample facilities for traveling professional companies.

Young Men's Christian Association

The Young Men's Christian Association was organized at the University of North Carolina in 1859 and has operated its program continuously ever since, save for the years when the University was closed just after the Civil War. It is the third oldest Student Young Men's Christian Association, antedated only by those at the University of Virginia and the University of Michigan.

During all these years this Association has been duly affiliated with the national Young Men's Christian Association movement. It maintains its annual student-faculty membership, a Board of Directors, a staff of employed secretaries, and its own building on the campus which now houses the Young Women's Christian Association also.

The Young Men's Christian Association seeks by precept and example to encourage right and wholesome living and activity. It invites every student in the University to join, and participate

in the program. The varied activity makes possible wide choice of participation in the fields of the specifically religious, the social, the welfare, and personal service efforts for one's own development, for training, and for service to the campus and community. It seeks to add the moral and ethical motivation to the academic work of the student in the University, and to keep clear one's sense of spiritual values in the whole of life. Every male student in the University is invited to join, but the Y.M.C.A. does not limit its services to the membership as such.

Young Women's Christian Association

The Young Women's Christian Association is a voluntary organization for women students in the University, organized on this campus in 1936. It is a religious, social, and welfare agency to give opportunity for the individual's development in these extracurricular areas and to provide specific service to women students. This Association is affiliated with the Young Women's Christian Association movement in the United States. With its duly elected staff of officers, Advisory Board, and an employed secretary the Y.W.C.A. has its fully developed program for special service to women students, and in addition works jointly with the Y.M.C.A. in a varied activity program for the benefit of the campus as a whole and in service to the surrounding community. All women students in the University are eligible to membership in the Y.W.C.A.

EXPENSES

The University reserves the right to make, with the approval of the proper authorities, changes in any fees at any time.

Tuition and Other Fees for Each Quarter and Semester

Each student whose bona fide residence has not been established in North Carolina for at least the six months immediately prior to his first registration in the University must pay an extra reciprocal charge for each term he spends in residence. The residence of a minor is that of his parents or guardian. The residence of an adult remains with his parents unless he shall have independently set up his own.

Bona fide residence in North Carolina means that the student is not in the State primarily to attend the University and that his status as a resident has not been set up merely as a technical bar to the extra charge. Mere ownership of property or payment of taxes apart from residence does not qualify one as a resident; nor may a student qualify by living in North Carolina the six months immediately prior to his first registration unless he continues so to live during the whole period of his stay at the University.

Students are presumed to know their correct residence status and to state the facts concerning it truthfully on their application and registration blanks. Students in doubt should appeal their cases in writing to the Chancellor, preferably in advance of registration. Students who misrepresent the facts of their residence status for the purpose of defrauding the University will be dealt with as are all other violators of the honor code.

For residents of North Carolina the fees payable at the beginning of the quarter and semester are as listed below for the General College and the College of Arts and Sciences; the fees for those registering in the School of Commerce include, in addition to the following, a small additional charge for special library, lecture, and reading materials.

	Quarter	*Semester*
Tuition (average charge, see note below)	$26.40	$40.00
*Matriculation	20.00	30.00
**Student Publications	2.30	3.45
Laundry Deposit	8.50	13.50
Student Union Fee	1.00	1.50
Student Entertainment Fee	1.00	1.50
Total for each quarter	$59.20	$89.95

* This fee includes fee for physical education, the library fee, the fee for infirmary service, the fee for registration costs, the fee for debates and membership fee in the Athletic Association.

**This fee includes the following items: *Tar Heel, Yackety Yack,* and the *Carolina Magazine.*

NOTE: The tuition figure listed here is based on a standard load of 16 hours a quarter or semester. In the three divisions indicated tuition is charged on the basis of the number of hours the student *carries,* the rate being $1.65 a quarter hour or $2.50 a semester hour for residents of North Carolina. Any variation above or below the standard load of 16 hours will raise or lower the tuition charge. (There is no charge for hours in physical education and hygiene, except in the higher courses.)

Tuition and Reciprocal Fee Rates for Out-of-State Residents

The amount of extra charge to each out-of-state resident is reciprocal; i.e., it is based upon the average of charges to non-residents attending similar institutions in the area of the student's residence. The resulting rate of charge including tuition and reciprocal fee for out-of-state residents is as follows:

FOR RESIDENTS OF:

	Quarter	*Semester*
Alabama, Arkansas, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Mississippi, South Carolina, Tennessee, Virginia, and West Virginia	$3.65	$5.50
Arizona, New Mexico, Oklahoma, and Texas	3.65	5.50
Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont	6.00	9.00
Indiana, Illinois, Iowa, Michigan, Minnesota, Missouri, Ohio, Wisconsin	3.65	5.50
California, Nevada, Oregon, Washington	3.65	5.50
Colorado, Idaho, Kansas, Montana, Nebraska, North Dakota, South Dakota, Utah, Wyoming	3.65	5.50
All other registrants	6.00	9.00

(The application of this scale of charges will in a standard program—16 hours—give a combined tuition and reciprocal fee figure of $58.40 or $96.00 for the quarter, $88 or $144 for the semester, depending upon the state of residence. The exact total tuition and fees chargeable to a particular out-of-state student may be reached by substituting for "tuition" in the charges listed on page 77 the correct combined tuition and reciprocal fee figure calculated according to the above rates an hour.)

All the above figures are exclusive of laboratory and other special fees.

Each application for admission to advanced standing must be accompanied by a fee of five dollars ($5.00) as an earnest of good faith. If the applicant is not accepted, the fee is returned; if he is accepted and enrolls as a student, the fee (having been deposited with the University Cashier) will be applied against the bill at his first registration; if he is accepted but chooses not to enroll as a student, the fee will be forfeited regardless of the reasons involved.

DELAYED REGISTRATION: The penalty for delayed registration for any term is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay a fee of $1.00 for each day late as an additional fee for delayed registration. *No appeal from either attendance probation or the late registration charge will be granted, unless the delay is due to circumstances clearly beyond the student's control.* Such an appeal must be made in writing to the Chancellor, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of the division of the University in which the appellant is enrolled.

LAUNDRY DEPOSIT: Students will be required to send their laundry to the University Laundry for which a deposit will be collected at the time of registration. When the amount of this deposit has been exhausted, an additional deposit will be charged. Any amount not used will be refunded at the close of the spring term, except that a minimum charge of twenty-five cents a week will be assessed each student not using the University Laundry facilities.

LABORATORY FEES: Each student taking a laboratory course must pay, in addition to his tuition fee, a small fee for power or materials used in the laboratory. The fees for the various laboratory courses are billed to the registrant at time of registration.

TRANSCRIPTS OF RECORD: One transcript will be furnished without charge. Additional transcripts will be furnished only upon payment of $1.00 for each copy.

GRADUATION FEE: The graduation fee is $5.00, payable when application for the degree is made.

PAYMENT OF BILLS: Please refer to page 95 for payment of bills for tuition and fees, and to pages 80, 97 for payment of dormitory room rent bills.

Dormitory Accommodations for Men

Accommodations for approximately seventeen hundred men students are available in the University dormitories. Students in military service have been granted preference for these rooms

according to contracts with the U. S. Government. One dormitory, however, has been completely reserved for freshmen.

All rooms in the dormitories are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), blankets, and towels.

Room rent ranges from $6.00 to $15.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat, and service. Rooms are leased for the scholastic year. See page 97 for assignment of rooms.

Dormitory Accommodations for Women

Five dormitories provide excellent accommodations for 479 women students. Spencer Hall, Alderman Hall, and Archer House are for undergraduates, while Kenan Hall is reserved for graduates and professional students, and McIver Hall is occupied by both undergraduates and graduates.

Women students not living in their own homes are required to reside in a dormitory unless permission to live elsewhere is granted by the Dean of Women. Ordinarily such permission is granted in exceptional cases only.

Application for a room should be made to the Dean of Women, and should be accompanied by a deposit of six dollars.

Rooms are rented upon the basis of the entire scholastic year. Payment is made in three installments the first of which is due September first. The amount of each installment is determined by the annual rental price of the room and the length of each term.

Residents of Spencer Hall are required to board there. Residents of the women's buildings are given preference for vacancies in Spencer Hall dining room, but are privileged to board at any of the available boarding places.

All rooms are completely furnished. Students are required to provide, however, pillows, bed linen (for single beds), blankets, and towels.

The cost of room and board and details concerning payments may be found in the Handbook for Women Students or by correspondence with Mrs. M. H. Stacy, Dean of Women.

Boarding Accommodations

The University operates the conveniently located Carolina Inn Cafeteria for the benefit of the students. The building and equipment are new and modern. Well balanced menus are offered at standard prices. Meal ticket books are sold for $5.00.

The Graham Memorial Grill, which is operated by the University, has a small cafeteria which offers excellent food at reasonable rates.

SUMMARY OF ESTIMATED EXPENSES OF THE AVERAGE MALE STUDENT FOR THE COLLEGE YEAR

Board at $35 a month, estimated vacations eliminated	$315.00
Dormitory room, at $7.50 a month, plus dormitory social fee of $1.00	68.50
*Tuition for the normal schedule of 48 quarter hours (or 32 semester hours) a year	79.20
Matriculation and students' feets, estimated for freshman year	73.90
Laundry deposit	27.00
Books and supplies, estimated for year	25.50
Laboratory fees, estimated for the average freshman	10.00
TOTAL FOR NORTH CAROLINA RESIDENT	$599.10

*TUITION FOR OUT-OF-STATE RESIDENTS:

Tuition (including the out-of-state differential) for the normal schedule for residents of the DISTRICT OF COLUMBIA and the following states will be $176.00: Alabama, Arizona, Arkansas, California, Colorado, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Mexico, North Dakota, Ohio, Oklahoma, Oregon, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Washington, West Virginia, Wisconsin, and Wyoming.

Tuition (including the out-of-state differential) for the normal schedule for residents of the following states will be $288.00: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont. The same sum ($288.00) will be the cost for a resident of any other place.

The above tuition scale applies to the General College, College of Arts and Sciences, School of Commerce, and Graduate School.

TUITION FOR PROFESSIONAL SCHOOLS:

Pharmacy Tuition is $85 a year; Law, $100 a year; Medicine, $267.00 (tuition, matriculation and laboratory fee) a year; Library Science, $75 a year. The out-of-state differential for this group adds $100 a year ($33.34 a quarter—$50 a semester or a term in Law) in each case regardless of state of residence.

PECUNIARY AID

Fellowships and Scholarships

THE LEDOUX FELLOWSHIP IN CHEMISTRY. (Established in 1911 by Dr. Albert R. Ledoux.) The holder is expected to devote himself to research in chemistry. This fellowship is endowed, and yields $300 annually.

THE GRAHAM KENAN FELLOWSHIP IN PHILOSOPHY. (Established in 1921 by Mrs. Graham Kenan.) A fellowship supported by the income from an endowment of $25,000, in memory of an alumnus and trustee of the University. This fellowship is awarded annually.

THE ERNEST H. ABERNETHY FELLOWSHIP IN SOUTHERN INDUSTRY. (Established in 1944.) The holder is required to do research in an industry of importance to the South and to prepare a thesis as the result of the study. This fellowship will be available in the year 1945-1946.

THE MOORE SCHOLARSHIPS. (Established in 1881.) Bartholomew Figures Moore, of Raleigh, bequeathed $10,000, the interest of which shall be devoted to paying the tuition of students. In 1940 James Moore, the son of the donor, bequeathed the sum of $5,000 to be added to this fund to be used for the same purpose.

THE MARY RUFFIN SMITH SCHOLARSHIPS. (Established in 1885.) Miss Mary Ruffin Smith bequeathed to the University in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land of 1,460 acres, known as Jones' Grove, in Chatham County. The will provides that rents of the land, or the interest on the purchase money, if sold, shall be used to pay the tuition of such poor students as the Faculty shall appoint.

THE MARY ANN SMITH SCHOLARSHIPS. (Established in 1891.) Miss Mary Ann Smith bequeathed $37,000 for the foundation of scholarships, the number of scholarships to be determined by the amount of the income.

THE CAMERON SCHOLARSHIPS. (Established in 1892.) The heirs of Paul Carrington Cameron founded in his memory ten scholarships of the value of $75 each.

THE SPEIGHT SCHOLARSHIPS. (Established in 1892.) The late Mrs. Mary Shepherd Speight bequeathed $10,000 to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used toward paying the salaries of professors.

THE WOOD SCHOLARSHIP. (Established in 1892.) Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her late husband, Dr. Thomas Fanning Wood, a scholarship of the value of $75.

THE WEIL SCHOLARSHIP. (Established in 1898.) A fund established by Mr. Henry Weil, of Goldsboro, furnishes one scholarship of the value of $75.

THE ARMFIELD SCHOLARSHIPS. (Established in 1901 and 1904.) These scholarships were founded by the generosity of the late Mr. Eugene M. Armfield, of High Point, N. C., a member of the class of 1888.

THE KENNETH MURCHISON SCHOLARSHIPS. (Established in 1904.) These scholarships have been founded by Mrs. Shirley Carter, of Baltimore, Md., and the late Mrs. James Sprunt, of Wilmington, N. C., in memory of their father. They are awarded by the founders.

THE DONALD FAIRFAX RAY SCHOLARSHIP (Established in 1919.) Mrs. N. W. Ray, of Fayetteville, N. C., has established this scholarship in memory of her son, Donald Fairfax Ray, a graduate of the University, who died while in the service of his country.

THE HOLT SCHOLARSHIPS. (Established in 1920.) Four scholarships are maintained by the income from the Holt Loan Fund, established by Mr. Lawrence S. Holt, Jr. They are awarded by the Committee on the Holt Fund, to a member of each of the four classes in the Academic Department. Applications are considered after the opening of the University in the fall.

THE ALUMNI SCHOLARSHIPS. These scholarships have been established by the gifts of Alumni, and they vary in stipends according to the funds in hand.

THE R. H. LEWIS SCHOLARSHIPS. Four scholarships, endowed by the University Gymnasium Association, and called The R. H. Lewis Scholarships, are assigned by the President, and are good for tuition in the Academic Department.

THE GEORGE NEWBY TOMS SCHOLARSHIPS. (Established 1926.) Mr. C. W. Toms, in memory of his son, George Newby Toms, has granted the income from a fund of $5,000 as scholarships to worthy students, preference being given to students from Durham and Perquimans counties in North Carolina.

THE MARY K. BROWN MEMORIAL SCHOLARSHIP. This scholarship was established in 1931 by Mrs. James M. Brown in memory of her daughter who served with unusual devotion as secretary of the School of Commerce of the University for several years. This scholarship is awarded to a worthy student who is dependent upon his own efforts to secure an education.

THE GENERAL ROBERT RANSOM SCHOLARSHIP. This scholarship to the value of $200 is awarded each year to a lineal descendant of a Confederate Veteran. It is awarded and controlled by the United Daughters of the Confederacy in North Carolina.

WILLIAM BLOUNT RODMAN SCHOLARSHIPS. Two scholarships assigned to students at the University from the memorial trust fund created by Colonel W. B. Rodman in memory of his father, William Blount Rodman. They are assigned by the State Superintendent of Public Instruction, Trustee of the fund.

THE DANIEL G. FOWLE SCHOLARSHIP. One scholarship, founded in 1928 by Mrs. Walter F. Stearns (Mary H. Fowle) in memory of her father, Governor Daniel G. Fowle. Mrs. Stearns reserves the right to award the scholarship to a member of her own family; otherwise it will be awarded by the Superintendent of the Raleigh Schools and the Principal of the Raleigh High School to one Raleigh student on the basis of merit, character, and scholarship. Value annually $100.

THE MARK R. BRASWELL SCHOLARSHIPS. (Established in 1938.) In memory of Dr. Mark R. Braswell, Class of 1888, of Rocky Mount, a fund of $20,000 has been created for the endowment of scholarships valued at $200 each to be awarded annually to entering freshmen by the Braswell Scholarship Committee. Four scholarships are awarded annually for a tenure of one year each. The Committee, in its discretion, may extend the tenure, thus enabling the award to be made to a previous holder. The basis of award is character, all-round development, high scholastic attainment, and financial need.

THE HERBERT WORTH JACKSON MEMORIAL SCHOLARSHIPS. (Established in 1938.) Endowed by Mrs. Annie H. Jackson of Richmond, Va., as a memorial to her husband, Herbert Worth Jackson, of the Class of 1886, and supplemented in 1940 by an additional gift by Herbert Worth Jackson, Jr. The fund maintains two scholarships, each valued at $500 annually and awarded every fourth year to an entering freshman, who shall be a native-born resident of North Carolina and who shall be nominated by his high school or preparatory school as its candidate for the scholarship. One candidate only may be certified by each school to the University Scholarship Committee which in turn shall select from all boys thus certified twenty, who shall come to Chapel Hill for interviews with the Jackson Scholarship Committee. The winner of the scholarship shall be announced by May 20. He shall have tenure of the scholarship for four years provided, in the opinion of the Committee, he maintains high standards both in morals and in scholarship. The basis of selection shall be high scholastic rank, character, qualities of leadership, achievements, physical health and vigor, and promise of future distinction. One scholarship was awarded in 1941, to be reawarded in 1945 and each fourth year thereafter. A second scholarship was awarded in 1943, to be reawarded in 1947 and each fourth year thereafter. The first award was to Nelson

Ferebee Taylor, Class of 1942, Oxford, N. C. The second award was to John Meredith Simms, Class of 1945, Raleigh, N. C. The third award was to William Fennell McNeely, Class of 1947, Grenesboro, N. C.

BERNARD-GRAIL SCHOLARSHIPS. (Established in 1938.) One or more scholarships of $75 each, maintained by interest from the Grail Loan Fund, will be awarded each fall to worthy and outstanding undergraduate students who have been enrolled in the University for at least two consecutive quarters immediately preceding the awarding of the scholarships. These scholarships are controlled by the Faculty Scholarship Committee assisted by two members of the Order of the Grail. These scholarships were established in memory of Professor William Stanley Bernard who, as faculty adviser, was a source of inspiration and guidance to the Order of the Grail. First award, Wellington Harrill Lewis, Class of 1941, Fallston, N. C.

THE H. V. WILSON SCHOLARSHIP FOR STUDIES IN MARINE BIOLOGY. (Established originally in 1937, supported subsequently from a fund established jointly by Dr. Henry V. Wilson, Jr., and former students and friends of Professor Wilson.) Present value $100. The holder is expected to pursue graduate studies or research at the sea coast during the summer of award. First award, Harry Clay Yeatman, Columbia, Tenn.

THE KAY KYSER SCHOLARSHIPS. (Established in 1941.) A scholarship in music and a scholarship in dramatic art, established by Mr. Kay Kyser, Class of 1927, each providing one year's study in the University, including tuition, room, and board. Selection of the recipients, made by the Kay Kyser Scholarship Committee in August of each year, is based on character, scholastic rank, qualities of leadership, achievements and promise of future distinction in music and dramatic art. The 1941-1942 award in music was to John Edward O'Steen, Class of 1945, Kinston, N. C.; the 1941-1942 award in dramatic art was to Elaine Berg, Class of 1942, Grand Forks, North Dakota. The 1943-1944 award in music was to Lois McCauley, Chapel Hill, N. C.; the 1943-1944 award in dramatic art was to David Hanig, Trenton, N. J.

THE MARVIN B. SMITH, JR., MEMORIAL SCHOLARSHIP. (Established in 1944.) Endowed by Mr. and Mrs. M. B. Smith, Sr., of Burlington, N. C., as a memorial to their son, Marvin B. Smith, Jr., of the Class of 1926. The fund maintains a scholarship valued at $300 annually and awarded each fourth year to an entering freshman who plans to have his major work in the School of Commerce. Applicants must be native-born residents of North Carolina who shall be nominated by their high school or pre-

paratory school for the scholarship. The tenure of the scholarship is for a period of four years provided the holder of the scholarship maintains high standards both in morals and in scholarship. The basis of selection shall be high scholastic rank, character, promise of business leadership, and financial need. The first award will be made in the spring of 1945 for the academic year 1945-1946 and every four years thereafter.

None of these scholarships is open to students in the Schools of Law, Medicine, Pharmacy, Library Science, and Public Health. For scholarships open to students in these Schools, please see the special bulletins of the schools.

This list does not include certain annual contributions for scholarships, which are not on an endowment basis.

All applications for scholarships must be filed in the Student Aid Office. The Committee on Endowed Scholarships makes the awards, annually, on or about June 15 and from time to time during the year. All applications must be in the regular form prescribed by the University. Blank forms are supplied on request to Mr. Edwin S. Lanier, Director of Student Aid.

Free Tuition

Free tuition is given to indigent residents of North Carolina who are also under bodily infirmity. Information and application forms are available upon request to the Director of Vocational Rehabilitation Division, State Department of Public Instruction, Raleigh, N. C.

Loan Funds

THE DEEMS FUND. (Established in 1879.) A fund of $600 was established by Rev. Charles Force Deems, D.D., late pastor of the Church of the Strangers, New York City, formerly a professor in the University, in memory of his son, Lieut. Theodore Disosway Deems. In 1881 the gift was greatly enlarged through the munificence of Mr. William H. Vanderbilt by a gift of $10,000 "as an addition to the Deems fund, to be loaned to indigent students of the University."

THE MARTIN FUND. This fund has been established by the bequest of Mr. Thomas D. Martin, of Raleigh. Only the interest of the fund can be used for loans. It became available during the session of 1908-1909.

THE HOGUE FUND. A fund of $4,000 has been established by the Rev. R. W. Hogue, of Baltimore, the income from which is to be loaned to worthy students in the University.

THE HEWITT FUND. A fund of $18,700 was established in 1916 by the bequest of Mr. Joseph Henry Hewitt, of Princess Anne

County, Virginia. Only the income from this fund can be used for loans to "needy and deserving students" of the University. This fund became available during the session of 1919-1920.

THE HOLT FUND. A fund of $10,000 has been established by Mr. Lawrence S. Holt, Jr., of Burlington. The principal of this fund is to be loaned to "worthy and needy students of the University." The income from this fund is to be used in establishing four scholarships in the University. It became available during the session of 1920-1921.

THE VICTOR S. BRYANT FUND. A fund of $7,500 has been established by the bequest of Mr. Victor S. Bryant, of Durham. The principal and the interest of this fund can be used for loans to "worthy and needy young men" at the University. This fund became available during the session of 1920-1921.

THE SEELY FUND. A fund of $1,000 has been established by Mr. F. L. Seely, of Asheville, the principal of which is to be loaned to worthy and needy students, and the income therefrom to be added to the principal. This fund became available during the fall of 1922.

THE E. S. BLACKWOOD MEMORIAL LOAN FUND, created by bequest of Miss Katherine B. Underwood, of New York City. This fund consists of $10,000 "to be used as a loan fund for needy students." This fund is administered in the same manner as the Deems fund.

THE A. B. ANDREWS LOAN FUND. In May, 1925, the five children of the late Colonel A. B. Andrews (William J. Andrews, class of 1891; Alexander B. Andrews, class of 1893; Mrs. W. M. Marks; John H. Andrews, class of 1897, and Graham H. Andrews, class of 1903) established a fund of $2,500 of which the principal and interest are to be loaned to worthy students. This fund has been increased to $4,750 through the subsequent gifts from Mr. Alexander B. Andrews, of Raleigh, N. C. The A. B. Andrews Loan Fund is administered as are other loan funds from the University and is established as a memorial to Colonel A. B. Andrews, a noted railroad builder in North Carolina and a Trustee of the University. It is requested by the donors that assistance from this fund be rendered first to students from those counties of North Carolina in which Colonel Andrews built railroads and second to students from those counties through which lines of the S.A.L., Norfolk-Southern, and Southern Railway systems run.

THE J. E. LEAR FUND. This fund of $5,244 became available in 1924. The fund was the result of installation work done by the senior class in electrical engineering under the supervision of Professor J. E. Lear.

THE JOSEPH E. POGUE LOAN FUND. This fund of $1,000 was presented to the University in April, 1930, by Mrs. Joseph E. Pogue as a memorial to her husband, the late Mr. Joseph E. Pogue, the fund to be known as the Joseph E. Pogue Loan Fund. The principal and interest are to be loaned to deserving students.

THE EDMONDS LOAN FUND. This fund of a little over $800 has been set up by the Class of 1910 as a memorial to W. R. Edmonds, a member of that class.

GRAIL LOAN FUND. In June, 1930, the Order of the Grail, an undergraduate organization at The University of North Carolina, gave $1,400 to be known as the Grail Loan Fund. Additional gifts by the Order of the Grail and income from interest have increased the fund to $3,000. The principal of this fund is loaned to worthy students and the income is used to support the Bernard-Grail Scholarships.

THE ALUMNI LOYALTY LOAN FUND. Established on June 30, 1930, by the advance of $12,200 out of the Alumni Loyalty Fund.

THE ALDEN JOSEPH BLETHEN III MEMORIAL LENDING FUND. During the fall of 1930, Col. C. B. Blethen, of Seattle, Wash., gave $2,000 to be known as the Alden Joseph Blethen III Memorial Lending Fund. This he did as a memorial to his son, A. J. Blethen III, a member of the Class of 1934. The principal of the fund is to be loaned to deserving students.

THE ROCKINGHAM COUNTY ALUMNI LOAN FUND. A fund of $713.32 advanced by the Rockingham County Alumni Association, available since January 11, 1932. It may be recalled by the lender as it may desire.

ESCHEATS FUND. According to State law, clerks of court are directed to forward to the University money included in estates for which no heir can be discovered. For these funds the University is merely custodian for a period of years during which any heir discovered may legally claim the funds. During this period the money is placed in the Student Loan Funds as a temporary investment.

THE RHO CHI LOAN FUND. The Xi Chapter of the Rho Chi Honorary Society has established a loan fund for deserving students of pharmacy.

THE LOAN FUND OF THE WOMAN'S AUXILIARY, N. C. PHARMACEUTICAL ASSOCIATION. A fund of $300 was established by the above named organization in 1932 for use by students of pharmacy. It has been increased annually and now amounts to $2,173.37.

THE CHARLES L. COON MEMORIAL LOAN FUND. A fund of $1,415 established by the administrators of the Charles L. Coon

Memorial Loan Fund of Wilson, North Carolina, in September, 1934. The funds to be loaned to graduates of the Charles L. Coon High School of Wilson, North Carolina, upon the written approval of the Superintendent and the Chairman of the Board of Trustees of said high school.

THE JOHN B. WEAVER LOAN FUND. A fund of $1,915 established by Dr. William Jackson Weaver of Asheville, North Carolina, in memory of his father, John B. Weaver. This fund became available July 6, 1937, and is administered under the same terms and conditions as the Deems Fund.

THE SHERMAN LOAN FUND. A fund established in 1939 by Dr. Joshua Sherman, Class of 1906, of Lancaster, Pa., and amounting at present to $1,419.28. The fund is available for student loans on the usual terms.

THE MAJOR DAVID C. AND MARTHA REEVES EDWARDS LOAN FUND. A fund established June 10, 1940, by a gift of $1,000 as a memorial to a father and mother of Alleghany County who educated four sons at the University. Donors have requested that assistance from this fund be rendered first to relatives, second to students from Alleghany County, and third to other students from North Carolina and states adjacent to North Carolina. In any case, however, recipient of loan must comply with scholastic and other requirements imposed by the University Loan Fund Committee.

THE WINSTON-SALEM DRUGGISTS' LOAN FUND. Organized Druggists of Winston-Salem in 1942 gave $200 as an addition to the loan funds used to assist worthy students of pharmacy.

THE LOAN FUND OF THE CLASS OF 1942. The class gift of $350 in 1942 was set up as a loan fund under the usual terms of the administration of such funds.

The Emergency Student Loan Fund

In the winter and spring of 1932, the University confronted a genuine emergency growing out of an announced reduction of State appropriations by 30 per cent, and the fact that between five hundred and seven hundred students were without funds with which to continue their course. When this situation was presented by President Graham, students ($2,057.14), faculty ($2,035.38), the people and community organizations of Chapel Hill ($970.22), various chapters of the D.A.R., U.D.C., and other committees of women, began building a student loan fund. Alumni and friends of the University everywhere contributed to raise the total of new loan resources to $109,000, known collectively as "The Emergency Student Loan Fund." The portions

of that fund which for some appropriate reason were separately established are listed below. Unless otherwise indicated, the funds are loaned on the same terms as is the Deems Fund.

THE W. C. COKER LOAN FUND. A fund of $500 established February 2, 1932, by Dr. W. C. Coker, head of the Department of Botany of the University.

THE JESSIE KENAN WISE LOAN FUNDS. A loan fund of $25,000 established February 4, 1932, by Mrs. Jessie Kenan Wise, of Wilmington, N. C., and another loan fund of $47,000 in securities, the income from which may be loaned to students immediately, and the principal may be similarly used when available through the sale of the securities as opportunity for sale on favorable terms may arise.

THE BURTON CRAIGE LOAN FUND. A fund of $1,000 established February 6, 1932, by Mr. Burton Craige, 1897, of Winston-Salem, N. C.

THE JAMES A. GRAY LOAN FUND. A fund of $500 established February 15, 1932, by Mr. James A. Gray, 1908, of Winston-Salem, N. C.

THE BLAIR LOAN FUND. A fund of $500 established March 2, 1932, by Col. David H. Blair, 1898, and Mrs. David H. Blair, of Washington, D. C.

THE SARAH WATTS MORRISON LOAN FUND. A fund of $1,000 established March 4, 1932, by Mrs. Sarah Watts Morrison of Durham and Charlotte, N. C.

THE STUDENT LOAN FUND OF THE NORTH CAROLINA CONGRESS OF PARENTS AND TEACHERS, INC. A fund of $750 loaned to the student loan funds by Mrs. J. W. Burke, Treasurer, by authority of the organization named above.

THE SARAH GRAHAM KENAN LOAN FUND. A fund of $1,000 established March 7, 1932, by Mrs. Sarah G. Kenan, of Wilmington, N. C., to be used first by a designated student. When repaid, Mrs. Kenan will indicate its further usage.

THE MILO M. PENDLETON LOAN FUND. A fund of $1,000 established March 15, 1932, by Mrs. Katharine Pendleton Arrington as a memorial to her brother, Milo M. Pendleton, of the Pharmacy Class of 1902.

THE RICHMOND, VIRGINIA, ALUMNI ASSOCIATION LOAN FUND. A fund of $320 given by the organization named above with the request it be set so as to receive annual additions from the donors. It has been available since March 29, 1932.

THE EDRINGTON SPENCER PENN AND CHARLES ASHBY PENN, JR., LOAN FUND. A fund of $1,000 established April 14, 1932, by Mrs. Charles Ashby Penn, of Reidsville, North Carolina.

THE C. W. TOMS LOAN FUND. A fund of $1,000 established May 19, 1932, by Mr. C. W. Toms, 1889, of New York City, in memory of his son, the late George Newby Toms, 1928.

THE MARGARET MCCAULL CARMICHAEL LOAN FUND. A fund of $1,000 established by W. D. Carmichael, 1897, on May 25, 1932. Mr. Carmichael is a resident of Durham, N. C., New York City, and Chapel Hill.

THE ANNIE LOUISE WATTS HILL LOAN FUND. A fund of $1,000 established by Mr. John Sprunt Hill, of Durham, N. C., on June 4, 1932, as a memorial to his wife.

THE GEORGE BASLEY HISS LOAN FUND. A fund of $10,000 established by Mrs. Bertha T. Hiss, of Charlotte, N. C., in memory of her husband, George Basley Hiss. This fund has been available since June 30, 1932.

APPLICATIONS FOR LOANS

Applications for loans will be considered when made in person by students registered in the University. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest. Applications should be made to the Student Aid Office in advance of registration.

Self-Help Work

Many students earn a part of their expenses by many forms of honorable labor. Students work in the Library, dining halls, Graham Memorial, Book Exchange, dormitories, Woollen Gymnasium, Kenan Stadium, Buildings Department, and other University divisions and offices. All jobs are assigned by the Self-Help Committee, solely on the bases of scholastic merit, financial need, and good character. Holders of jobs are required to maintain a scholastic average of at least "C" from year to year. Jobs off the campus, in Chapel Hill homes and in business firms, are not assigned by any committee or division of the University. Such work is secured by the efforts of the student, the Director of Student Aid helping wherever possible. All inquiries about an application for work should be mailed to Mr. Edwin S. Lanier, Director of Student Aid, before July 1, after which the jobs are assigned.

It is difficult for first-year students to do self-help work and carry successfully a full schedule of academic work. They are urged to devote full time, if possible, to their studies and related activities.

The Committee, in its best judgment, assigns the available jobs to those who are most urgently in need of financial aid and who show high scholastic achievement. Each applicant is notified by personal letter on or about July 15 of the Committee's decision on his or her application.

MEDALS AND PRIZES

THE MANGUM MEDAL IN ORATORY. (Established in 1878.) A gold medal founded by the Misses Mangum, late of Orange County, in memory of their father, Willie Person Mangum, Class of 1815, is continued by three lines of his descendants as follows: Miss Preston M. Leach of Washington, D. C., Mr. Willie P. Mangum Turner of Winston-Salem, N. C., and Mr. Willie P. Mangum Weeks of Washington, D. C., Class of 1915. This medal is awarded to that member of the Senior Class who during his four years prior to graduation has best exhibited the qualities of oratory, debate, and scholarship.

THE EBEN ALEXANDER PRIZE IN GREEK. (Established in 1887.) A prize of $10 is offered annually to that member of the Sophomore Class who shall present the best rendering into English of selected passages of Greek not previously read.

THE BINGHAM PRIZE IN DEBATE. (Established in 1899.) This prize was established by the late Mr. R. W. Bingham, in memory of his great-grandfather, grandfather, father, and brother, and is continued by Mr. Barry Bingham. It is awarded annually to that student who, while actively participating in debating, shall have been most useful in the support of this activity.

THE BRYAN PRIZE IN POLITICAL SCIENCE. (Established in 1903.) A prize will be given annually for the best thesis in Political Science. The fund was established by the late William Jennings Bryan.

THE ARCHIBALD HENDERSON PRIZE IN MATHEMATICS, formerly THE WILLIAM CAIN PRIZE. (Established in 1908.) A gold medal is offered annually to that student who shall take the highest rank in Mathematics 32-33. No student will be recommended for the prize unless he attains to grade B.

THE MILDRED WILLIAMS BUCHAN PRIZE. (Established in 1920.) A fund of $1,000 was given by Mr. Edward Robertson Buchan in memory of his wife. The income of this fund is to provide a prize in the Department of Philosophy.

THE PATTERSON MEDAL. (Established in 1924.) A gold medal is offered annually by Dr. Joseph F. Patterson to commemorate the memory of his brother, John Durant Patterson. This medal is awarded for general excellence in athletics to a student selected by a special committee.

CHI OMEGA PRIZE IN SOCIOLOGY. A prize of $25 is awarded by the local chapter of the Chi Omega Fraternity to the undergraduate woman student who writes the best paper on some

subject in the field of sociology or public administration. The subject will be submitted to the undergraduate student body some time before the fifteenth of February. Papers are required to be handed in by the fifteenth of May. The Department of Sociology will select the subject and act as judges of the papers. The prize will be awarded at Commencement.

THE BUXTON WILLIAMS HUNTER MEDAL IN PHARMACY. A gold medal is offered annually by Mr. D. R. Davis, of Williamston, in honor of his uncle, Mr. Buxton Williams Hunter, of New Bern, and is awarded to that student who has shown outstanding qualities of leadership and scholarship and who has done conspicuous work in the Student Branch of the N.C.P.A.

THE LEHN AND FINK GOLD MEDAL IN PHARMACY. This medal is given annually by Lehn and Fink of New York City.

THE ALGERNON SYDNEY SULLIVAN AWARD. (Established in 1928.) To be bestowed annually upon one man and one woman of the graduating class, and those who receive it shall have demonstrated their worthiness to typify that spirit of brotherly love which was the cornerstone of the life of Mr. Sullivan. The Award shall in no wise be based upon scholastic, athletic, or other collegiate attainments, but rather upon that quality, much broader in its scope, which is best described as a desire to be of service.

THE ROLAND HOLT CUP IN PLAYWRITING. (Established in 1936 by Mrs. Roland Holt in memory of her husband.) This award is made each year by the Department of Dramatic Art for excellence in playwriting.

THE JOHN JOHNSTON PARKER, JR., MEDAL FOR UNIQUE LEADERSHIP IN STUDENT GOVERNMENT. (Established in 1941.) This gold medal is given annually by Judge and Mrs. John J. Parker in memory of their son, John Johnston Parker, Jr., Class of 1937, who rendered distinguished and sacrificial leadership as President of the Student Council in one of the critical years in the history of Student Government. This medal is awarded by a special committee appointed by the President of the University to that student who has demonstrated most clearly the highest qualities of leadership in perpetuating the spirit of honor and the process of student self-government.

THE PHI BETA KAPPA AWARD. (Established in 1941.) An award amounting to $100 is given annually by the local Chapter of the Phi Beta Kappa National Honorary Fraternity to that member of the rising junior class (eligible for self-help work) who has made the highest scholastic average during his freshman and sophomore years.

THE ERNEST H. ABERNETHY PRIZE IN STUDENT PUBLICATION WORK. Mr. Ernest H. Abernethy, 1922, of Atlanta, established in 1941 an annual award of $50 which is to be presented to the student who is adjudged by a committee to have done the most distinctive work during the current year in the field of student publications.

THE FOY ROBERSON, JR., MEDAL. A gold medal is offered by Dr. and Mrs. Foy Roberson in memory of their son, Foy, Jr., Class of 1940, varsity basketball 1939 and 1940; Second Lieutenant, Army Air Corps; killed in collision at sea, December, 1941. Awarded annually for the chief contribution to team morale in basketball.

THE JOSEPHUS DANIELS SCHOLARSHIP MEDAL. (Established in 1941.) A gift from the family of Hon. Josephus Daniels to be invested and the income used to provide annually the Josephus Daniels Scholarship Medal for the University of North Carolina unit of the Naval Reserve Officers Training Corps.

THE ALPHA CHI SIGMA PRIZE IN CHEMISTRY. (Established in 1942.) A prize of $100 is awarded annually by the local Chapter of the Alpha Chi Sigma Fraternity to the undergraduate student of chemistry selected by a committee as best exemplifying high scholarship, leadership, and personality.

REGULATIONS

Special Notice to Students

This catalogue, issued in the spring of each year, is intended to give such a description of the work of the University and such a digest of its rules as are needed by the students. Neither the courses announced nor the rules given are valid beyond the succeeding year, for before the end of the succeeding year a new catalogue will have been issued superseding all previous catalogues. Ordinarily a student may expect to be allowed to secure a degree in accordance with the requirements of the curriculum laid down in the catalogue in force when he first entered the University, or in any one subsequent catalogue published while he is a student; but the faculty reserves the right to make changes in curricula, as in rules, at any time when in its judgment such changes are for the best interests of the students and the University.

Registration

All students are expected to present themselves for registration on *one of the two week days preceding the opening of each term, between the hours of 9 a.m. and 5 p.m., at the places announced in the plan for registration. All students registering here for the first time will report for physical examination to the Infirmary, and present at registration a clearance card from the University Physician. Failure to attend to this matter before registering causes extra expense to the University, and entails for the student the payment of an extra charge of five dollars ($5.00). Bills for tuition and fees are payable at the time of registration. For the later terms all students except those in the School of Law must register in according to a schedule published immediately before the close of preceding terms.

Registration for credit for any course is limited to the first seven calendar days of a term, unless the late registration is approved by the instructor concerned, the Dean, and the Administrative Board (or the Special Faculty) of the school.

Payment of Bills

Bills for the fall term are payable at the time of registration. Bills for the winter and spring terms are payable at the Cashier's office on the first class day of the term, and thereafter according to a schedule announced. Failure to pay or to make proper arrangements for payment results in the assessment of an extra fee of $5.00.

* Students transferring from other institutions should have transcripts of their former records sent at least two weeks in advance to the Director of Admissions, and should present themselves for registration on the first day of registration preceding the opening of their first term of residence; freshmen students also will register on that day.

Delayed Registration

The penalty for delayed registration for any term is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay five dollars ($5.00) as an additional fee for delayed registration. *No appeal from the imposition of either attendance probation or the late registration charge of five dollars will be granted, unless the delay is due to circumstances clearly beyond the student's control.* Such appeals must be made in writing to the Chancellor, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of the division of the University in which the appellant is enrolled.

Arrangement of Courses

Attention is called to the reduction of credit for freshman and sophomore courses when taken late in the student's career. Only half credit is allowed if a regular freshman course is taken after a student begins his junior year or if a regular sophomore course is taken after he begins his senior year.

No student will be allowed without the permission of his Dean to take fewer than fifteen hours a week. A load up to eighteen hours a week may be taken without any restrictions; one of nineteen or twenty hours a week requires a scholastic average of at least C in the preceding term; one of twenty-one or more hours a week requires a scholastic average of at least B in the preceding term and the approval of the student's Dean.

A student desiring to change his courses must make written application to his Dean for the desired changes. The application will be considered by the Dean and will be granted only after a careful consideration of the facts in each case. The written permission of the Dean must be presented at the Central Office of Records, room 302, the South Building, and payment must be made of the *fee of twenty-five cents for each item of change.*

Changes in registration are limited to the first seven calendar days of a term. No refund of sums paid for tuition will be made for courses dropped after the period of seven calendar days except upon the written recommendation of the Dean concerned.

Assignment of Rooms

The rooms in the University dormitories are assigned to students by the Cashier in the order of application, subject to the special regulations given below.

The University reserves the right to require any student whom for any reason it considers an undesirable tenant to vacate a room in the University dormitories.

In order to retain his room for the next scholastic year, a student must file with the Cashier before June 10 an application and a deposit of $6.00 as an option. Double rooms must be applied for by both intending occupants. The rooms thus applied for will be retained until September 1, when first payment of rent is due. The option deposit will be forfeited in case the applicant does not himself pay the rent and occupy the room. Rooms not applied for or made vacant by failure to pay at the proper date will be assigned in the order of application.

The right to occupy a room is not transferable and terminates with the expiration of the lease. Any attempt on the part of an occupant of a room to sell or transfer his right to occupancy shall be deemed a fraudulent transaction. The penalty for violating this rule shall be the forfeiture of the room by the new lessee.

The occupant of a room will be held directly responsible for any damage done to the furniture in his room or to the room.

No dogs shall be kept in the University dormitories. Breach of this regulation leads to forfeiture of the room.

Conduct

By order of the Board of Trustees the Faculty is directed to discipline or dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form (presence at hazing is regarded as participation), or to be guilty of dissolute conduct. See also Student Government, page 57.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdyism may be required to leave the University.

Students, unless *bona fide* residents of Chapel Hill, when suspended from the University for disciplinary reasons, must leave the campus and Chapel Hill within forty-eight (48) hours or forfeit the right to readmission at any time.

Attendance

Due to the policy under which courses are given in the University, namely lectures, daily work, quizzes, and short final examinations, regular attendance upon meetings of classes is considered very important and is considered a student obligation.

Beginning with the spring quarter, 1936, the responsibility for attendance was placed in the hands of the instructors in the various courses. Departments may make uniform regulations governing attendance if they so desire.

Instructors in all cases are expected to keep a daily record of attendance and to report to the Central Office of Records the name of any student who has been absent three consecutive meetings of a class.

Instructors are expected to warn a student who has been absent more than seems reasonable. Further absences give instructors the right to request the Dean concerned to exclude such a student from the class. If the Dean knows extenuating circumstances he must confer with the instructor before the student is actually excluded.

Any student who has attained the honor roll during two successive terms shall be exempt during the ensuing term from the regulations governing absences and shall be exempt thereafter as long as that student maintains the honor roll average. To the foregoing regulation there are to be the following exceptions: (a) the privilege of absences does not apply to requirements of attendance relative to written or laboratory work or to quizzes and examinations; (b) the privilege earned by the student shall be forfeited if that student is absent without excuse immediately before or immediately after holidays; (c) it is understood that the instructor in any course has the right to consider participation by the student in class discussion as a necessary part of the work upon which he bases the final grade. Thus, a student having the honor roll privilege who absents himself more than the instructor thinks is reasonable for this purpose, may earn a lower grade, as a result of non-attendance, than would be shown by the examination grade alone.

Departments or instructors may, on occasion, permit a student to attend or engage in an educational activity other than that of the class as a substitute for class attendance.

The Deans are expected to use their best judgment in the matter of allowing a student to remain in residence after having been dropped from one or more classes. The Deans will also cooperate with the instructors in bringing students to a realization of the consequences of excessive absences.

It is the duty of instructors to report to the Central Office of Records all absences occurring at the *beginning of each term and all those occurring immediately before and immediately after holidays. The penalty for such absences is loss of

* The Departments are expected to cooperate with the Deans in getting classes accurately organized by remaining on duty the whole day for the first few days of each term.

membership in the student body. Favorable action (for good cause) by the Committee of Deans is necessary before the student may be reinstated in the University; moreover a fee of $2.50 is charged the student for each such absence, with the proviso that the total fee shall not exceed $7.50.

Absences from class attendance for cause may be excused. Such absences are those due (a) *to participation in recognized University activities, as those of the Glee Club, Debating and Athletic teams, and the Playmakers when occurring away from Chapel Hill, such excuses to be issued by a Recorder; (b) †those due to actual illness, certified to by the physician who attended the student in person during illness; and (c) *those due to emergencies caused by extraordinary circumstances, when excused by the Dean of the School concerned.

The Central Office of Records will furnish to the student upon request and for the information of his instructors a record of days he has been excused.

Any student who is absent from a quiz or an examination at the appointed time thereof without excuse as defined above will not be permitted to make up this quiz or examination. Any department may impose a fee not exceeding one dollar ($1.00) upon the student having excuse for such absence for the privilege of taking a special quiz or examination or a make-up laboratory exercise.

No student unless exempted by having attained the honor roll privileges of optional attendance shall be given credit in the University for any course unless that student has attended at least 75 percent of the class meetings of the course during the term in which it has been taken by him.

Departments may acquire students who have been absent, whether the absences are excused or not, to make up work covered during the periods of absence.

OTHER REGULATIONS GOVERNING ATTENDANCE

The grade of a student who quits a course without the permission of the Dean of his College or School is recorded officially as F.

The grade of a student who drops or is dropped from a course in which he is failing at that time shall be recorded as F unless, in the judgment of his Dean, the reason for his failure be circumstances clearly beyond his control.

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* Such authorized leaves of absence must be secured in advance.

† Excuses for illness must be reported within forty-eight hours from time of the beginning of the illness.

EXAMINATIONS

Final Examinations

Regular written examinations are required at the end of each term in all courses except those the nature of which is such as to make written examinations unnecessary. *Approval of such exemptions must be secured in advance from the Dean of the College of Arts and Sciences.*

Comprehensive Examinations

A comprehensive examination in the field of the major was established for all students in the College of Arts and Sciences and in the School of Commerce beginning with the class of 1930. It was removed as a general requirement in the fall of 1941. Only students who are candidates for honors are now required to take a comprehensive examination. Students who finished their course work between 1930 and the fall of 1941 but who have not passed the comprehensive examination may secure the degree either by passing a comprehensive examination or by registering in the University for at least one term so as to come under the present rule.

Special Examinations

A special examination may be taken by a student, who has received the condition grade (E), at the period of the special examinations in the Fall. Provided he has no conflict with a course regularly taken by him in the term, such a student may take the examination with the class in the same subject at any regular term examination within a year after he has made the grade E. A senior who makes a grade of E in his last term of residence is allowed to take a special examination for removal of the E not earlier than three days after his last examination in that period of examinations. The grade E becomes F if the student fails to pass the re-examination whether taken in the Fall or at some other time.

Under no circumstances may a student stand a special examination to remove a condition grade (E) between the first and the last class days in any term unless such examination is requested by the Committee of Deans.

Special examinations for students who have been officially excused from regular examinations on account of sickness or have been absent on account of some necessary cause and therefore excused may be held at suitable times fixed by a Recorder and the instructors concerned. Such examinations must be taken within twelve (12) months of the date of absence.

To be entitled to take a special examination within a term, or at the September period, or at a regular term examination period, the student is required to file with a Recorder at least one week prior to the time for the examination a written notice that he desires to take such examination.

Papers handed in at a special examination by students who have been officially excused from the regular examination will be graded; all others will be marked "passed" or "failed."

REGULAR FINAL EXAMINATIONS

Regular written examinations are required at the end of each term in all courses except those the nature of which is such as to make written examinations unnecessary. *Approval of such exceptions must be secured in advance from the Dean of the College of Arts and Sciences.*

Papers written in final examinations are not to be carried away to be graded.

Final examinations except in laboratory practice may not be held at any times other than those specified in the preceding regulations.

No examinations may be held later than 7:00 p.m.

*All examinations must be held in Chapel Hill.

Examinations should be limited to a period of three hours. In courses in which a considerable portion of the examination is of a *practical* nature the instructor may extend the time in his discretion.

No students other than the following may take the examination in any course: 1st—regularly enrolled members of the class whose names have been reported from the Office of Records to the instructor as having registered in due form for the course; and 2nd—those whose names have been reported from the Office of Records as having the right to take special examinations on that course.

Students absent from an examination without an official excuse or present and failing to submit examination papers are reported "absent." This mark is equivalent in every respect to grade F or failure, and is so recorded in the Office of Records.

Each student is required to subscribe his name to the following pledge or its equivalent on every paper: "I hereby certify that during this examination I have neither given nor received

* In exceptional cases arrangements can be made to take examination *in absentia.* There is a fee of $10.00 for each such examination. Applications for examinations *in absentia* should be directed to the Dean of the College of Arts and Sciences or to the Dean of the School in which the student was registered in this University.

aid." The instructor should not report a grade for any student whose examination paper lacks this pledge.

Schedules of examinations at the ends of the terms and in the Fall are to be so arranged that examinations set for the last day of the period shall be set for the first day of the next period.

The examinations for the removal of conditions and for advanced standing will be given at two periods in 1945 as shown below:

Friday, August 31

8:30 a.m.	Geology Psychology	11:00 a.m.	Compar. Literature Greek Physics Sociology
2:00 p.m.	Botany Latin	4:30 p.m.	Chemistry Commerce Philosophy

Saturday, September 1

8:30 a.m.	Music History Mathematics Polit. Science	11:00 a.m.	Economics Romance Languages Zoology
2:00 p.m.	Education English German	4:30 p.m.	Any examinations made necessary by conflicts

Wednesday, October 31

8:30 a.m.	Education English German	11:00 a.m.	Geology Psychology
2:00 p.m.	Compar. Literature Greek Physics Sociology	4:30 p.m.	Botany Latin

Thursday, November 1

8:30 a.m.	Chemistry Commerce Philosophy	11:00 a.m.	Music History Mathematics Political Science
2:00 p.m.	Economics Romance Langs. Zoology	4:30 p.m.	Any examinations made necessary by conflicts

STANDING

After the close of each term reports of the standing of all students in all their studies are sent to parents or guardians. The reports are based upon the following system of marking:

Grade A, Excellent.	Grade D, Barely passed.
Grade B, Good.	Grade E, Conditioned.
Grade C, Fair.	Grade F, Failed.

*Grade I, Work incomplete.

When a student has shown marked deficiency in the use of English in any course, his grade in that course may have attached a "composition condition" (cc). This condition, while not affecting a student's eligibility for continuance in the University, must be removed before final credit will be allowed. A student who receives such a condition must take a diagnostic test before the middle of the following term, and his registration for the next term following this term may not be completed until he has taken the test. If this test shows that the student needs to take a course or laboratory work to remove his condition, he must proceed actively and systematically toward the removal of his condition in the second term following that in which he receives it. The Secretary of the Committee on Conditions in English Composition, Dr. J. O. Bailey, is to determine those who need remedial work.

A student must attain a grade of D to pass in any study. Grade E indicates that the student is conditioned but may remove the deficiency by special examination as explained above. Students receiving grade F must repeat the study to receive any credit for the same.

Any student, after conference with the instructor concerned, may appeal from a "course grade" provided the appeal is presented in writing to the Chancellor within thirty regular college days after the grade has been reported. The Chancellor, after bringing the appeal to the attention of the head of the department concerned, will refer it to the Administrative Board of the College or School in which the student is enrolled. The Board's decision shall be final.

To be eligible for graduation a student must secure the grade of C or higher on at least half of his work.

Interpretation of this ruling:

(1) A student who completes the required courses but with grades which do not entitle him to his degree will be allowed

* The grade I may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes F.

to take additional *junior-senior* courses until such time as he meets the requirement of the rule.

(2) Transfers with advanced standing will come under this rule only for those courses pursued at this institution; but it is expected that at least 50 per cent of the work offered for advanced credit shall be of grade C (one degree above the passing mark) or better.

(3) To be eligible for graduation, a student must secure the grade of C or higher on at least 30 quarter hours of work in his major.

A student to be ranked as a Sophomore must have passed at least thirty-six quarter hours; to be ranked as a Junior, at least seventy-eight quarter hours; to be ranked as a Senior, at least one hundred thirty-six quarter hours.

Undergraduate students, in order to be eligible to continue in the University, must qualify according to the following requirements: A freshman must pass some *academic work in each term, and a total of at least twenty semester hours before beginning his third term. After the freshman year (two terms) a student must pass at least five semester hours in his first term to be eligible to re-enter the following term, and must pass a total of *twenty-three semester hours each two successive terms* to be eligible. Ineligible persons are not to be considered members of the University. In case a student has been handicapped by circumstances beyond his control, he may appeal for readmission to the Committee of Deans by means of a written petition stating his case and sent to the Registrar's office or to his Dean. Deficiencies may be made up by correspondence work or in the Summer semester. In two terms, therefore, a freshman must pass at least twenty hours, or twenty-three if he is making up a shortage by correspondence work or in the Summer Semester; and one above freshman year similarly must pass at least twenty-three hours or thirty if he is making good a deficiency by correspondence work or in the Summer Semester.

No student who fails to qualify under the above regulations may be readmitted to any division of the University except by vote of the Committee of Deans. The student must present written application for readmission to his Dean before the opening of any term. Action upon such application is taken by the Committee of Deans meeting together. *Notice is given that the rule may be waived only once for any individual.*

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* For the purpose of this rule freshman courses in hygiene and physical education are not included in "academic work," but they may be counted in the total of twenty semester hours required in two semesters.

Withdrawals

If a student wishes to withdraw at any time other than the end of a term, a formal withdrawal, which is prerequisite to honorable dismissal or re-entrance to this institution, must be approved by the Dean to be valid. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four hours from the time the first application is filed with the Dean. The withdrawal form after approval by the Dean must be filed promptly with a Recorder in room 302, the South Building.

If a student withdraws after the mid-term and is reported as below passing in two or more courses, that term will be counted as a term in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that term is to be counted as a term in residence. The Dean's verdict will be indicated specifically on the form used for withdrawal.

To a student withdrawing within the first ten weeks of a term, refund on a pro-rata basis of the amount paid for *tuition* is made.

Graduation

Each senior will be officially informed by his Dean in the Fall of all deficiencies standing against him.

Fraternities

GENERAL REGULATIONS. Students may join fraternities after registration at the opening of any term provided they are eligible under the special regulations of the Faculty as announced by the Standing Committee on Fraternities.

Transcripts of Record

Honorable dismissal has reference to conduct and character only. It will not be granted unless the student's standing as to conduct and character is such as to entitle him to continue in this University. Furthermore, in every statement of honorable dismissal full mention will be made of any probation, suspension, or other temporary restriction imposed for bad conduct which is still in force when the papers of dismissal are issued.

Statement of record has reference to the recorded results of a student's work in the classroom. It will in every instance contain all the important facts pertaining to the student's admis-

sion, classification, and scholarship. In particular, no partial or incomplete scholastic record (for example, with failures omitted) will be given without clear evidence that it is partial or incomplete. If the student's scholarship has been such as to prevent his continuance in this University or to render him subject to any probation, suspension, or other temporary restriction which is still in force at the date of the record, a plain statement of any and all such facts will be included. Such information will be given as will make clear the system of grades employed, the number of exercises a week devoted to each course, etc.

Transcripts of record, except the first which is furnished without cost, will be made upon payment of one dollar ($1.00) for each copy desired.

Intercollegiate Athletics

The University is a member of the Southern Conference and its rules necessarily conform to the rules of the Conference.

Regulations Governing Dramatic, Musical, and Debating, and Other Leading Activities of the Student

1. No student will be allowed to take part in dramatic, musical, debating, oratorical, or similar events entailing absence from the University whose parents (or guardian) object to such participation.

2. Any student who was in attendance at the University during a previous term must have passed, during his last term of attendance, satisfactory examinations upon at least five hours or their equivalent, before he will be allowed to represent the University in any dramatic, musical, debating, oratorical, or similar event of a public nature, or in any other leading activity.

3. Any student reported during the course of any term as deficient in a majority of his classes may be prohibited by the Dean of his school from participating in any dramatic, musical, debating, oratorical, or similar event, or any other leading activity until such deficiency is made good.

4. There shall be a scholastic requirement of twenty-three hours, half C grade or better, during the preceding two semesters of residence, or thirty hours, half C grade or better, if summer school or correspondence work is necessary in addition to two regular terms.

5. No team or club will be allowed to be absent from the University more than seven lecture days in any term.

PART THREE—THE COLLEGES AND THE SCHOOL OF COMMERCE

THE GENERAL COLLEGE

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
¶Corydon Perry Spruill, Jr., A.B., B.Litt. (Oxon.), *Dean*
Cecil Johnson, Ph.D., *Acting Dean*

*The Administrative Board

Allan Wilson Hobbs, Ph.D.
Dudley deWitt Carroll, M.A.
Francis Foster Bradshaw, Ph.D.
Sturgis Elleno Leavitt, Ph.D.
Arthur Melville Jordan, Ph.D.
Arthur Palmer Hudson, Ph.D.
Joseph Edison Adams, Ph.D.
John Wayne Lasley, Jr., Ph.D.
Charles Baskerville Robson, Ph.D.
Samuel Thomas Emory, Ph.D.
Edwin Carlyle Markham, Ph.D.
Oliver Kelly Cornwell, M.A.
†Henry Roland Totten, Ph.D.
Guy Berryman Phillips, M.A.

The Committee of Advisers in the General College

**Donald Stanley Klaiss, Ph.D.
†Michael Arendell Hill, Jr., A.M.
Cecil Johnson, Ph.D.
Floyd Harris Edmister, Ph.D.
Almonte Charles Howell, Ph.D.
Arnold Kimsey King, A.M.
James Logan Godfrey, Ph.D.

General Statement

During his freshman and sophomore years in the University at Chapel Hill every student is a member of the General College unless he enters the School of Pharmacy. The studies in the General College are intended: (1) to offer an experience in a sufficient variety of basic and liberal subjects to constitute the foundations of that general education which is regarded as essential to balanced development and intelligent citizenship, (2) to supply opportunities for the discovery of intellectual interests

† Absent on leave in military service.
* The Chancellor and the Registrar are *ex officio* members of this Administrative Board.
** Advisers' representative on the Administrative Board.
¶ Absent on leave in government service.

and occupational aptitudes, and (3) to provide preparation for later collegiate or professional training. These studies are, specifically, English composition and literature, a foreign language, natural science, and social science for two years; mathematics or Latin or Greek for one year, and one other prescribed or elective subject for one year. The options within these requirements appear below in the summaries of the several programs. The student thus takes certain courses basic to all programs of study and in addition chooses other courses in anticipation of advanced work in special fields or because of other personal considerations. If he knows what his later program of study is to be he can in nearly all cases choose a subject in that field as part of his work in the General College. If he does not know what his program is to be, he may take the general program leading to the degree in Liberal Arts or in Commerce with the assurance that he can reach a decision during his undergraduate career and make necessary changes with a minimal loss of time.

The members of the General College are of four distinguishable but overlapping types: (1) Those who will proceed to the usual academic degrees at the end of four years, (2) those who will enter professional schools after three or four years, (3) those who are preparing for *teaching or scientific investigation or both, (4) those who will take less than a complete academic program. Through the Advisers the General College attempts to assist each student in appraising his qualifications and objectives and, within the limits set by its standards and resources, undertakes to adapt its offerings to his interests and needs. Thus a deficiency in a foreign language may be overcome by taking the elementary course which meets six times a week. In the converse case of mastery in preparatory school or otherwise of work offered in college, the student is encouraged to meet the collegiate requirement by examination. Those who have responsibilities which limit the time available for studies are allowed to take less than the normal academic program. Those who attain distinction in the normal registration are permitted to take additional courses so as to enable them to enrich their programs or to graduate at an earlier date. By such means the College encourages each student to start with the work which he is prepared to do and to go forward with it in the way that is most appropriate in his individual case.

Upon satisfactory completion of the work of the General College, the student will normally enter one of the divisions of the University which administer the curricula of the junior and senior years. *The College of Arts and Sciences* offers curricula

* Anyone who plans to prepare for teaching should consult immediately with the Chairman of the Division of Teacher Training.

in (1) the usual liberal arts subjects, (2) teacher-training, (3) journalism, (4) chemistry, geology, physics, medicine, etc. (each with its special Bachelor of Science degree), and (5) pre-law, pre-medical, and pre-dental programs, with and without the A.B. degree. *The School of Commerce* presents curricula preparatory for the various careers in (1) business, (2) foreign trade and the consular service, and (3) law.

NAVAL R.O.T.C

All of the courses offered by the Department of Naval Scence and Tactics count toward graduation. N.R.O.T.C. drill is a substitute for 2 hours of physical education. The academic courses offered by the Department are credited as follows:

(1) In programs of study leading to the degree of Bachelor of Arts, Naval Science may be substituted for one year of required natural science. The other Naval Science courses may count as the sophomore elective and as non-divisional subjects in the junior and senior years.

(2) For the degree of Bachelor of Science in Commerce, the Naval Science courses may be substituted for one year of required natural science. Mathematics 41 is substituted for Social Science 3. In the junior and senior years, Naval Science courses count as non-divisional subjects and for one additional course to be approved by the Dean of the School.

(3) In the other curricula leading to the degree of Bachelor of Science, Naval Science courses count as electives. In addition, the Dean and the Administrative Board are authorized to substitute these courses for required subjects after consideration of the circumstances of each case.

(4) All Naval Science students are required to take Mathematics 41 in the freshman year and Physics 21-22-23 in the sophomore years.

(These arrangements apply only to those who entered the Naval R.O.T.C. prior to the inauguration of the V-12 program in July, 1943. Those who entered subsequently are subject to faculty legislation of February 18, 1944, which allows substantial modification of requirements for those in military or naval service; in practice, these modifications are authorized by the Administrative Board of the College of Arts and Sciences.)

OFFICE OF PRE-COLLEGE GUIDANCE

The Office of Pre-College Guidance, as a part of the Office of Admissions, cooperates with the General College and seeks to supply high school principals, the students, their parents, and their teachers with information about college and university

life. During the year the staff issues bulletins of information periodically which it will send to anyone on request. The staff of the office invites requests for any information it is able to furnish and welcomes the opportunity to confer with prospective students and their parents. All requests will be answered promptly.

SPECIAL STUDENTS

Mature students, twenty-one years of age or older, who feel the need of some special training but who cannot meet the regular entrance requirements may be admitted to the General College as special students. It is understood that special students are not candidates for degrees. Those who wish to be admitted as special students must supply satisfactory evidence of their preparation to pursue and their ability to profit by the work they wish to take. Such students will be required to file formal application, to furnish transcripts of previous educational experience, and to supply any other information requested. A conference with the Dean is usually required. Special students are on probation to pass all of their work each term, and are not considered as eligible to proceed for a degree.

ADMISSION TO THE GENERAL COLLEGE

WOMEN: By order of the Board of Trustees women are not eligible for admission to the General College.*

AGE: All applicants for admission to the General College must be sixteen years of age before or by the actual date of their first registration.

CHARACTER: All applicants for admission to the University, including the General College, are required to furnish satisfactory evidence of good character as prerequisite to consideration for admission.

HEALTH: All General College registrants are required to report to the University Physician for a physical examination immediately before the period of their first registration. Trustee regulations make it mandatory that all matriculates satisfy the University Physician that they have been successfully vaccinated against smallpox. Those unable to furnish such evidence, or who have never been vaccinated at all, will be vaccinated here. Since a smallpox vaccination sometimes disrupts one's normal activities for several days, it is highly desirable from the applicant's standpoint that this detail be attended to before he presents himself for registration.

* Beginning September, 1940, young women who are permanent and *bona fide* residents of Chapel Hill Township are, by special action of the Board of Trustees, eligible for admission to the General College provided their applications and credentials are satisfactory.

ADMISSION TO FRESHMAN STANDING

BY CERTIFICATE: Formal application for admission to freshman standing, which is generally understood to mean candidacy for a baccalaureate degree, is made by submitting (1) personal data called for on an application form, and (2) a satisfactory statement of high or preparatory school achievement. Such a statement is expected to show (1) the completion of an accredited four-year high or preparatory school course, or its equivalent, which ordinarily means graduation; (2) fifteen units acceptable to us, including our minimal requirements as outlined below; and (3) that the applicant has attained the certifying average of the school last attended. Blank applications for admission may be secured by writing the Director of Admissions who, upon receiving the application, will undertake to secure directly from the proper official of the school graduating the applicant an appropriate certification of the applicant's record. Satisfactory evidence of one's eligibility for admission should be in the hands of the Director of Admissions at least fifteen days before the opening of the term in which it is desired to enroll.

Since the University operates on a basis of selective admissions in so far as non-North Carolina citizens are concerned, the above paragraph having to do with admissions to freshman standing by certificate should be supplemented as follows: In addition to the above stated requirements, the procedure involves the writing of a scholastic aptitude, or psychological, test *and* a personal conference between a representative of the University and each candidate for admission. Exceptional circumstances now and again make it advisable to waive these additional requisites in the case of out-of-state candidates, but such circumstances do not often prevail. Information covering these additional requirements will be gladly furnished to interested persons upon request.

SUMMARY OF ADMISSION UNITS

The fifteen-unit minimum offered for admission should include the following *required* distribution, except as may be provided for in the explanatory notes appearing immediately after the section headed *Admissions by Examination*:

English (four years)	4	units
Algebra (one and one-half years)	1½	units
Plane Geometry (one year)	1	unit
Foreign Language (two years in *one* language)	2	units
*Social Science (one year)	1	unit
Natural Science (one year with laboratory)	1	unit
Electives	4½	units

* Preferably History of the United States.

ELECTIVES: It is strongly urged and recommended that elective units be made up from the fields of mathematics (second year algebra for a full year, solid geometry for a half year, and plane trigonometry for a half year), social science (ancient history, medieval and modern history, modern history, English history, American history, American history and civics as a combination, civics, sociology, and economics), foreign language (Spanish, German, French, Latin, and Greek, with not fewer than two units in any one), and science with full laboratory (chemistry, physics, biology, botany, zoology, geology, physiography, and general science). One unit is allowed for a full year's work in any one of the named sciences, provided lectures or recitations *and laboratory work* are involved; if no laboratory work is included, any one of the named sciences, taken for a full year, carries only a half unit credit. *A credit of less than a half unit will not be allowed in any subject.*

In addition to credits from the fields specified immediately above, an applicant may offer subjects that are vocational in nature. Ordinarily no more than three units in vocational work may be credited; but the officer of admissions may, in his discretion, allow credit to the extent of four vocational units. It must in every instance be evident that such credits have been counted towards the high or preparatory school diploma. The officer of admissions has been granted discretionary authority to determine what may or may not be acceptable.

For certain curricula the requirement in foreign language is more precise than may be apparent from the statements made above. The courses of study leading to the following degrees require the language indicated: S.B. in Commerce and S.B. in Geology, Spanish or German or French; S.B. in Medicine, or S.B. in Physics, German or French; S.B. in Chemistry, German. It should be remembered that the *general entrance requirement* in foreign language may be satisfied by a two-unit offering in Latin or Greek, but that at the beginning of a student's first year in residence he will be required to take up that language which is appropriate for the study program of his junior and senior years. No degree credit will be allowed for the elementary part of the foreign language chosen.

Although no applicant will be admitted on certificate with fewer than fifteen acceptable units, the committee on admissions will, in general, be primarily concerned with substantial evidence of a serious, well-defined purpose on the part of the applicant and with his apparent ability and determination to utilize effectively the educational and cultural opportunities available to all at the University.

The right is reserved to reject the application of any applicant who ranked in the lower half of his high or preparatory school graduating class. For cause the committee on admissions may disapprove any application for admission.

CREDIT BY EXAMINATION

Provision is made for students who present proper credits to take substantiating examinations for advanced standing in whatever subjects the Dean of the General College may deem advisable. This opportunity is open to those who have taken in high or preparatory school work over and above the minimal entrance requirements which is approximately equivalent to some of the freshman-year program in the General College. The passing of such examinations will enable the student to take during his first year the next course in the subject on which he is examined or to take other subjects not ordinarily pursued by freshmen. Formal application for examinations of this sort should be made to the Dean of the General College sufficiently far in advance of the date of registration to enable him to arrange for the examinations. For this purpose, fifteen days' notice suffices. No charge is made for these examinations. There is a charge, however, for credits obtained by examination.

If a student by a placement test or by some other criterion is placed in advanced work and he completes the advanced work (two or three courses where the courses are in sequence) with an average of "C" or better, he will be given credit for the omitted freshman work and with the grades that he made on the advanced work; if he completes the advanced work with less than a "C" average, he will be relieved of the requirement of the freshman work omitted but will not receive hour credit for the omitted work.

ADMISSION BY EXAMINATION

Entrance examinations for students who are residents of North Carolina are given in the public high schools of the State one time during each semester and are administered under directions from the North Carolina State Department of Education (applicable until June, 1945). Students who are non-North Carolina residents must communicate with the Office of Admissions for information pertaining to admission by special examination. Sample copies of previously given examinations are not available for distribution. A fee may be charged each person taking the entrance examination, which fee is not refundable.

Applicants seeking admission to the General Gollege on the basis of preparation secured under the supervision of private tutors must in every instance qualify on the basis of our en-

trance examination. Certificates attesting to one's preparation in this wise are not *per se* acceptable, but are desired as evidence of work done.

EXPLANATORY NOTES: (1) Algebra: An applicant who offers only one unit in Algebra but who otherwise qualifies for admission may absolve himself from the deficiency in either of two ways: a) he may take our Freshman Mathematics and, if he passes on the first trial, the deficiency is automatically removed; or b) he may, with or without the aid of a private tutor, prepare for a special examination during his first year in residence, to be taken under the supervision of our Department of Mathematics. (2) Plane Geometry: An applicant who is unable to offer the required unit in plane geometry may, if he otherwise qualifies for admission, remove the deficiency in this way: he may, with or without the aid of a private tutor, prepare for an examination during his first year in residence, to be taken under the supervision of our Department of Mathematics. (3) Foreign Language: An applicant who otherwise qualifies for admission but who is unable to meet the requirement in foreign language may remove the deficiency by taking, and passing satisfactorily, the elementary part of Spanish or German or French or Latin or Greek. These subjects are given during the regular academic year, September to June. Generally speaking, one unit in foreign language will not be counted towards the fifteen-unit total required to be offered. Since all our undergraduate curricula presuppose admission without deficiencies, it is very desirable that applicants with deficiencies seek to clear these during the summer immediately preceding the fall opening at which they expect to matriculate. *All entrance deficiencies must be removed before registration for one's third semester in residence,* not counting the Summer semester.

ADMISSION TO ADVANCED STANDING IN THE GENERAL COLLEGE

Persons seeking admission to the General College on the basis of work of college or university grade taken elsewhere are required to present for review and examination properly certified statements covering such work. Such transcriptions of record should be in hand at least fifteen days before the opening of the term in which the applicant desires to enroll. Formal application for admission must be made, and blanks for this purpose may be secured by writing the Director of Admissions. For statement of fee to be sent with an application, see footnote under Admission to the College of Arts and Sciences, page 125. Each transcript of record will be evaluated in terms of our General College requirements, and credits allowed may or may not be approximately equivalent quantitatively to the total secured

in terms of the curriculum pursued at the college or university from which the applicant seeks to transfer. No credit is allowed for work done at non-standard or non-accredited colleges and universities unless a substantiating examination is passed in each subject for which credit is sought. These examinations must be taken here.

The right is reserved to reject wholly or in part any record submitted in support of an application for admission with advanced standing and to require a validating examination in any or all of the subjects for which credit is desired. Applicants who have failed to maintain a satisfactory scholarship record as distinguished from a record which is poor, or barely passing, or who, for any reason whatever, are ineligible to continue in the institution from which they seek to transfer are advised not to seek admission on any basis to the General College. We do not disregard at any time or under any conditions college or university records in order to admit applicants solely on the basis of their high or preparatory school records. It will be considered a flagrant violation of the honor code if any applicant makes a false statement in his application for admission with reference to previous college or university attendance in order to gain admission on the basis of a high or preparatory school record.

The University is not an accrediting agency. It accepts the accreditation of the North Carolina State Department of Education in so far as high and preparatory schools and colleges, junior or four-year institutions, are concerned. Outside of North Carolina, the University depends upon the accreditation of the departments of education of the various states, upon the accreditation of the state universities or institutions of comparable rank, and upon the accreditation of regional accrediting agencies.

ADMISSION OF NON-RESIDENTS

Applicants from outside of North Carolina, i.e., non-residents of North Carolina, may be required to supplement their applications and transcripts by a personal interview with a representative of the University, a written examination, and other information requested by the Committee on Admissions. They will be expected to have ranked, academically in the highest one-third of their graduating class. Exceptional circumstances now and again make it advisable to waive these additional requisites, but such circumstances are rare. Information covering these requisites will be furnished upon request.

Guidance of Students in the University

The University conceives education to be directed toward the best development of each individual. Since no two persons have exactly the same potentialities, it follows that no two students can profit equally by the same educational experiences. The University accordingly seeks to study each student in terms of his own background of experience, and his own potentialities of interest, ability, and cultural needs. Each student is the special charge of a member of the Committee of Advisers.

Before admission of the student the University obtains from him and his school principal information concerning the applicant's personal history. This information is made the basis of a cumulative personal record of each student. To it are added placement test scores, results of physical examination, grades on courses, record of activities, etc. This record is in the hands of the General College Adviser from the time the applicant is accepted until he completes the General College course. Then it is available to the departmental adviser in the major field of study chosen. Finally this record is available for vocational guidance and for inspection by prospective employers.

In this way the University is making every effort to deal with each student from admission to graduation as an individual personality about whom a definitely responsible adviser always has the needed information. In using this information the personal interest and experience of the adviser may be supplemented in case of special need by members of the General Administration competent in such special fields as health, financial aid, vocational guidance, mental hygiene, and religious and moral problems.

Programs of Study

With a view to the most effective preparation of those who will proceed to degrees through any of the regular curricula, the General College offers programs of study as follows:

In the fall of 1944 the University began operating on the semester system. In the programs of study below the numbers of the courses are given as they were under the quarter system. The reader, therefore, should compare the numbers printed in the programs with those indicated in the third column (semester system numbers) which are the ones used in the descriptions

of courses. The following table of approximate equivalents is, therefore, provided:

SUBJECT	QUARTER SYSTEM NUMBER OR NUMBERS	SEMESTER SYSTEM NUMBER OR NUMBERS
English	1-2-3	E1-E2 or 1B-2B
English	22-23-24	E3-E4
Social Science	1-2-3	1X-2X
Modern Language	1-2-3	L1-L2-L3-L4
Modern Language	11-12-13	L3-L4
Modern Language	21-22-23	L6-L7
Chemistry	1-2-3	V1-2
Physics	4-5	Ph1-2
Natural Science	1	Biology 1 (Botany 1)
Natural Science	2	Biology 2 (Zoology 1)
Natural Science	3C	Geography 38
Geology	41-42	1-2
Latin or Greek	1-2-3	1-2
Latin or Greek	11-12-13	11-12
Latin or Greek	21-22-23	21-22

*Bachelor of Arts

FRESHMAN YEAR

Required:
- English 1-2-3
- Social Science 1-2-3
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- Mathematics 1-2-3 or 7-8
- **Greek 11-12-13
- **Latin 11-12-13 or Latin 21-22-23

Choose one:
- Chemistry 1-2-3
- Geology 21-22-23
- Physics 1-2-3 or 4-5
- Nat. Science 1-2-3

Choose one:
- **French 11-12-13
- **German 11-12-13
- **Greek 11-12-13
- **Latin 11-12-13 or 21-22-23
- **Spanish 11-12-13

SOPHOMORE YEAR

Required: English 22-23-24
Foreign Language 21-22-23 (continuing the one chosen in the first year)

Choose one:
- Economics 31-32
- Education 41-42
- History 21-22-23
- History 41-42
- History 44-45-46
- Philosophy 21-22-23
- Political Science 41-42
- Sociology 21-22-23

†Choose one:
- Botany 41 and Zoology 41
- Botany 41 and 43
- Chemistry 1-2-3 or 31 and 41 (or 42)
- Geology 21-22-23 or 41-42
- Mathematics 21-22-23 or 31-32-33
- Physics 21-22-23 or 24-25
- Psychology 21-22-23 or 24-25
- Zoology 41 and 42

In addition choose one free elective—3 hours a week for the year.

* Students who plan to take music as their major subject should consult the footnote under the Department of Music in this catalogue for information concerning their programs for the freshman and sophomore years.

** Lacking adequate preparation, the student must take courses 1-2-3 in the foreign language.

† If Physics 1-2-3 or 4-5 was chosen in freshman year, Physics 21-22-23 or 24-25 may not be chosen in sophomore year.

Bachelor of Science in Commerce

FRESHMAN YEAR

Required:
- Nat. Science 1-2-3C
- English 1-2-3
- Social Science 1-2-3
- Mathematics 1-2-3 or 7-8
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- †French 11-12-13
- †German 11-12-13
- †Spanish 11-12-13

SOPHOMORE YEAR

Required:
- English 22-23-24
- Economics 31-32
- Economics 41

Choose three from:
- Commerce 51
- Commerce 66
- Commerce 71
- Polit. Science 41
- Modern For. Lang. (continued)

Choose one:
- Botany 41, 43
- Chemistry 1-2-3
- Geology 21-22-23 or 41-42
- Mathematics 21-22-23 or 31-32-33
- Physics 21-22-23 or 24-25
- Zoology 41-42

*Bachelor of Science in Chemistry

FRESHMAN YEAR

- Chemistry 1-2-3
- English 1-2-3
- **German 11-12-13
- Mathematics 1-2-3 or 7-8
- Social Science 1-2-3 or Naval Science 1-2-3
- Hygiene 11
- Physical Education 1-2-3

SOPHOMORE YEAR

- Chemistry 31, 42, 41
- English 22-23-24
- ‡German 21-22-23
- Mathematics 21-22-23 or 31-32-33

Bachelor of Science in Geology

FRESHMAN YEAR

Required:
- Geology 21-22-23
- English 1-2-3
- Mathematics 1-2-3 or 7-8
- Social Science 1-2-3 or Naval Science 1-2-3
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- **French 11-12-13
- **German 11-12-13
- **Spanish 11-12-13

SOPHOMORE YEAR

- Chemistry 1-2-3
- English 22-23-24
- Geography 31-32-33
- Mathematics 41, 51, 52

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† Lacking adequate preparation in any foreign language, the student must take courses 1-2-3. A test for reading knowledge of the foreign language must be passed or the language continued without credit until such test has been passed.

* This course meets the requirements of the American Chemical Society for the training of professional chemists.

** Lacking adequate preparation in any foreign language, the student must take courses 1-2-3.

‡ Scientific or technical German (24-25-26) may be taken for German 21-22-23.

Bachelor of Science in Physics

FRESHMAN YEAR

Physics 1-2-3 (or 4-5) or 1-22-23
English 1-2-3
¶German 11-12-13 or French 11-12-13
Mathematics 1-2-3 or 7-8
Social Science 1-2-3 or Naval Science 1-2-3
Hygiene 11
Physical Education 1-2-3

SOPHOMORE YEAR

Required:
- English 22-23-24
- Mathematics 31-32-33 or *21-22-23
- **German 21-22-23 or French 21-22-23
- Physics 55
- Physics 52 or 56
- Physics 42 or 54

Bachelor of Science in Medicine

FRESHMAN YEAR

Required:
- English 1-2-3
- Chemistry 1-2-3
- Mathematics 1-2-3 or 7-8
- Social Science 1-2-3
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- ¶French 11-12-13
- ¶German 11-12-13

SOPHOMORE YEAR

Required: English 22-23-24

†Continue one:
- French 21-22-23
- German 21-22-23

Chemistry 31 and 42 and either
Botany 41 and Zool. 41, 42 or
Botany 41 and Physics 24-25

‡Electives 5 or 6 hours

NOTE: In order to complete the academic part of this curriculum, the student must complete the third year's work including the courses not shown in the group of sciences just above. See curriculum for S.B. in Medicine under College of Arts and Sciences.

Bachelor of Science in Bacteriology

FRESHMAN YEAR

Chemistry 1-2-3
English 1-2-3
Mathematics 1-2-3 or 7-8
Social Science 1-2-3
¶Foreign Language (French or German) 11-12-13
Hygiene 11
Physical Education 1-2-3

SOPHOMORE YEAR

English 22-23-24
French or German 21-22-23
Chemistry 31, 42
Botany 41
Zoology 41, 42
Bacteriology 51

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* If Mathematics 21-22-23 is chosen, the student must take in addition an elective course of three hours a week through the year; Mathematics 31-32-33 is recommended.

** Scientific or technical German (24-25-26) may be taken instead of German 21-22-23.

¶ Lacking adequate preparation in any foreign language, the student must take courses 1-2-3.

† Note that if both French and German are taken, the requirement will be met by three quarters of successful work in each; that is, by the completion of 1-2-3 or 11-12-13 French and 1-2-3 or 11-12-13 German.

‡ It is suggested that this elective be Philosophy 41 or in history or political science.

THE COLLEGE OF ARTS AND SCIENCES

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., Litt.D., *President*
ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
ALLAN WILSON HOBBS, Ph.D., *Dean*
GERALDINE ALMA FOSTER, A.M., *Assistant Dean*

*The Administrative Board

JOHN NATHANIEL COUCH, Ph.D.
MILLARD BRECKENRIDGE, Ph.B., LL.B.
KARL HARTLEY FUSSLER, Ph.D.
WILL CARSON RYAN, Ph.D.
WILLIAM FREDERICK PROUTY, Ph.D.
EDWARD EVERETT HAZLETT, JR., B.S.
MITCHELL BENNETT GARRETT, Ph.D.
HOWARD RUSSELL HUSE, Ph.D.
GEORGE RALEIGH COFFMAN, Ph.D.
CECIL JOHNSON, Ph.D.
HARDIN CRAIG, Ph.D.

General Statement

Beginning with the year 1935-1936 the School of Education, the School of Applied Science, and the College of Liberal Arts were combined into one College, the College of Arts and Sciences. In addition to administrative simplicity there are certain other values to be expected from the combination. In the case of the School of Education it was thought that under the present arrangement there would be a closer cooperation among all the agencies in the University interested in teacher training, and due to the importance of this question such cooperation is greatly to be desired. We may say then that under the College of Arts and Sciences are grouped the regular Arts courses with majors in the various academic fields, the special Science courses having special Bachelor of Science degrees in Chemistry, Geology, Physics, Public Health Nursing, Medicine, Bacteriology, Medical Technology, and Public Health, and all undergraduate teacher training programs.

Students in the College of Arts and Sciences have completed the first two years of college work in this or some other institution of similar standards. Thus only the junior and senior years are presented. In this University the first two years for all students except those in the School of Pharmacy, are in the General College which has a Dean and a corps of Advisers whose purpose it is to see that students get started correctly, and as nearly as possible in line with their aptitudes and interests.

* The Chancellor, the Registrar and the Dean of Students are *ex officio* members of each Administrative Board.

The work of the College of Arts and Sciences is distributed among three Divisions known as the Division of the Humanities, the Division of the Natural Sciences, and the Division of the Social Sciences. Students who know at the beginning of the freshman year or at the beginning of the sophomore year what they expect to study have, through the options and the electives, the opportunity to prepare for almost any desirable specialization in the last two years. There has been set up, moreover, a Division of Teacher Training for the purpose of administration, guidance, and program-making in that field.

At the beginning of the junior year a student expecting to enter the College of Arts and Sciences must choose one of the Divisions for his major work. He will then be under the direction of the Head of the Division and an Adviser from the Department of his major subject. Those who plan to teach in secondary schools should seek admission to the Division of Teacher Training described below on page 132 and following. The only students not so placed in Divisions will be candidates for the combined A.B.-LL.B. degree, and special students not candidates for any degree. Such students will be directly under the guidance of the Dean of the College. Students in journalism will be directly under the guidance of the Department of Journalism.

It is the general understanding that during the junior and senior years a student in a Division will take about one-third of his work in one Department, one-third in allied Departments in the Division of his major, and one-third as free electives outside the Division. There are variations from the numerical aspects of this rule due to special circumstances and among the Divisions. *It is also understood that a student shall have the right to submit a program of his own, which may be at variance with the regular divisional arrangement, to the Head of a Division and, if it is approved by the Advisory Board of the Division, he may follow it towards the appropriate degree.* The requirements of the Divisions are explained later under the Divisions themselves, and as has already been said they vary somewhat among the Divisions and from the average figures. To be eligible for graduation, a student must secure the grade of C or higher on 30 quarter hours of work in his *major.* Grades lower than C will not be acceptable in the major for students transferring from other colleges. When a certain number of hours are accepted in the major from another college it is required that of the hours taken here in the major the percentage of grades of C or better must be the same as the number 30 is of the total number required in the major. It is to be understood that the regulation in this University in regard to grades is not stated as C average; so that a grade of B is not combined with a D to give

a C, but one-half of the actual hours taken must be of grade C or better.

Special attention should be called to the Bachelor of Arts degree with major in Music, to the Bachelor of Arts in Journalism, and to the curriculum in International Studies. In addition to these are the Bachelor of Science curricula in the special sciences of Chemistry, Geology, Physics, Bacteriology, Public Health, Public Health Nursing, and Medical Technology, requiring the usual four-year program; the Bachelor of Science in Medicine, awarded at the end of the first year in the School of Medicine of this University following the completion of the three years of academic work outlined on page 138; and the *A.B. degree after a specified program of two years in the General College, one in the College of Arts and Sciences, and one year in the School of Law in this University. The teacher training programs vary with the subjects to be taught in the high schools according to the schedules of the State Department of Education. Special attention is given to physical education and health programs for the schools by specialists in this field. The courses in dramatic art and the Carolina Playmakers furnish good opportunity for students interested in the theatre. The Department of Art now offers a full major and is well equipped for its work in Person Hall.

Attention should be called to the opportunities offered by the Summer semester for reducing the time spent in completing the work for degrees and for making changes from one program to another without loss of time. By this means students as late as the end of the sophomore year may change from a regular Bachelor of Arts program to one of the special Bachelor of Science programs.

Teacher Training

Special attention is given to the proper training of those who expect to teach in the high schools of the State. Through an arrangement with the Chapel Hill High School and other high schools, students are given the opportunity to observe a specially trained group of teachers at work and to take part themselves in the teaching. Training for persons who expect to work in physical education as well as to teach in the schools is provided through the cooperation of the Medical School, the entire athletic staff, and the specialists in physical education.

Students intending to prepare for teaching are advised to consult with the Chairman of the Division of Teacher Training as early in their college careers as possible, both to give notice of their intention and to see that their courses in the subjects

* For outline of academic work see page 134.

they intend to teach are properly chosen. It is advisable to prepare to teach in two fields. See programs of study in the Division of Teacher Training, pages 132-34.

Preparation for the Study of Law

Students preparing for the study of Law may do so in one of the following ways: (1) they may take the regular four-year course leading to the A.B. degree, choosing subjects proper to their purpose; (2) they may take the special courses leading to the A.B.-LL.B.; (3) they may take three years of academic work without the Bachelor's degree in view, but with careful regard to meeting the exact requirements; (4) for the period of the war emergency, well qualified students may be admitted on the basis of two years in college. (See catalogue of The School of Law.)

*Preparation for the Study of Medicine

Students preparing for the study of medicine should spend as much time in securing a well rounded cultural education as their age and financial resources permit. If possible they should take the regular four-year course leading to the Bachelor's degree. If this is not practicable they may take the special course leading to the S.B. in Medicine (see page 138) or they may take three years of academic work without the Bachelor's degree in view, but with careful regard to meeting the specific requirements for admission to the Medical School. *Students preparing for dentistry* should take at least the first two years of the premedical work. In general it seems desirable for students who are *preparing for medicine* by taking courses leading to the Bachelor's degree to select either chemistry or zoology as the major field of study. However, a student who desires to take a major in another department may still secure adequate preparation for medicine. In order to do this he should take courses in the premedical sciences in the first two years in the general college, namely, Chemistry 1, 2, and 3; Physics 21, 22, and 23 or Botany 41 and Zoology 41. In the College of Arts and Sciences he could then follow whatever his interests may direct and still complete adequate and necessary work in biology, chemistry, and physics prerequisite to the medical curriculum.

Because of the widening social and economic interests of the medical profession students preparing to enter it should take in addition to the requirements in the sciences as many courses as possible in history, literature, economics, philosophy, and psychology.

There is not sufficient space in the medical schools to admit

* The requirements for entrance to Medical Schools have been modified temporarily to meet special demands of the war. See the section (in this catalogue) on the School of Medicine.

all students who meet the quantitative standards. For this reason and because it requires more than average intelligence and aptitude to complete satisfactorily the medical curriculum, the quality of the student's work is of the greatest importance. All students interested in the study of medicine should attempt to stand in the highest third of their academic classes.

In general, the requirements for admission to the Medical School, in addition to the regular work in English, foreign language, and mathematics, are the following courses, or their equivalent: chemistry 1, 2, 3, 31, 42, 61, 62; botany 41; zoology 41 and 42; physics 21, 22, 23. (See S.B. in Medicine Curriculum, page 138, which is the minimum preparation acceptable.)

In addition the following courses in the sciences are helpful in pre-medical education: chemistry 63, 83; botany 43; psychology 21, 22, 23, 146; zoology 103-104, 110, 111; physics 51, 54, and 57.

*Preparation for the Study of Public Health Nursing

The Department of Public Health Nursing of the School of Public Health offers a year's curriculum including field training designed to prepare graduate nurses for the specialized work of the Public Health Nurse. A certificate in Public Health Nursing is awarded to those who successfully complete the course.

Graduate nurses who complete the curriculum in Public Health Nursing may complete a two-year academic program acceptable to the Division of Natural Sciences and the Department of Public Health Nursing of the School of Public Health in order to qualify for the degree of Bachelor of Science in Public Health Nursing.

Candidates for the degree of Bachelor of Science in Public Health Nursing must meet the following requirements:

1. Graduation from a fully accredited School of Nursing. Academic credit not to exceed 48 quarter hours may be allowed for this work. The amount of credits would be determined by the Committee on Admissions.

2. Completion of the year's course in Public Health Nursing.

3. A satisfactory completion of 99 quarter hours in a recognized college. The amount of credit not exceeding 102 quarter hours may be extended for work in other colleges. Such credit will be determined by the Committee on Admissions.

4. Those who have not had college work before entering upon their professional training in nursing may fulfill the re-

* Only graduate registered nurses are eligible for the degree of Bachelor of Science in Public Health Nursing.

quirements by completing two years' work in the College of Arts and Sciences of the University with 93 quarter hours of credit exclusive of the requirements in hygiene and physical education.

Naval R.O.T.C.

Students who expect to enter the College of Arts and Sciences but who wish to enroll in the Naval Reserve Officers Training Corps in their freshman year will find no difficulty in carrying the four-hour course in Naval Science and Tactics each quarter for the four years. If they expect to take any regular major in the Division of the Humanities they can take the work in Naval Science and Tactics in place of the freshman social science in the first year and in place of the natural science of the second year. In the junior and senior years it can be taken as non-divisional work. The same holds for those whose majors are in the Division of the Social Sciences. For students whose majors are in the Division of Natural Science the course in Naval Science and Tactics can be taken easily by postponing one subject from the freshman year, or postponing the beginning of the major subject. There are so many electives in this type of major that the work can be done without trouble. In the special programs for Bachelor of Science it can be done by postponing the Social Science sequence of the freshman year, taking the three-hour sequence as far as possible in the sophomore year to make room there, and taking it as electives in the junior and senior years. It is obvious that in these programs all the required courses in science will have to be taken in addition to the courses in Naval Science and Tactics, but the University is ready to assure the students who take this work that it can be done without penalty and that it can be completed in the four years. Of course this assumes that students will fail no work, or if they do they will make it up during the Summer semesters.

*Admission

Admission to the College of Arts and Sciences is based upon the satisfactory completion of the first two years in this University or another institution of similar standards, or in an approved junior college. By order of the Board of Trustees, women may enter the College of Arts and Sciences on the same terms as men. It is expected that at least half the grades received in the work presented for admission be of grade "C" or better.†

* Each application for admission to advanced standing must be accompanied by a fee of five dollars ($5.00) as an earnest of good faith. If the applicant is not accepted, the fee is returned; if he is accepted and enrolls as a student, the fee (having been deposited with the University Cashier) will be applied against the bill at his first registration; if he is accepted but chooses not to enroll as a student here, the fee will be forfeited regardless of the reason involved.

† This means 80 or higher in percentage grades with 70 as the passing grade.

In cases upon which there is doubt as to preparation credits granted must be validated by work taken in this University.

In general students entering the third year of college, which is the first year in the College of Arts and Sciences, should present at least sixty-eight semester hours of college work, or one hundred and two quarter hours including four semester hours or six quarter hours of hygiene and physical education. This work should include two years of work in English, two in one foreign language above the entrance units, two years in one or one year in each of two natural sciences with full laboratory work, two years in social science, including history, one year in mathematics or a classical language, one year of hygiene and physical education, and sufficient electives to make the full two years of college work.

In exceptional cases provision will be made for students who cannot meet the exact requirements, either to take the work needed here in the General College or to take examinations to prove that they are able to carry the work in the College of Arts and Sciences. In no case, however, will a degree be conferred without the completion of the full entrance requirements of this University either by examination or by certificate, the completion of the full course as required for the degree concerned, *and the additional requirement that the full work of the last year shall be done in residence at this University.*

Students transferring from other accredited colleges to the College of Arts and Sciences of this University must meet the requirements of the first two years here, unless they present superior records from the other college.

See notes on Special Students on pages 110 and 146.

If required freshman courses are taken after the student begins his junior year or if required sophomore courses are taken after he begins his senior year, only half credit is allowed. This does not apply to transfer students, provided they make up their deficiencies as soon as possible.

Curriculum Leading to Bachelor of Arts

In order to secure the degree of Bachelor of Arts it is necessary that the student complete fully the requirements set up in the General College for the first two years and follow this by meeting in full the requirements in one of the Divisions for the junior and senior years. See page 117 for a statement of the requirements in the General College and pages 127-134 for the general requirements in the Divisions. The requirements for a major in any Department will be found in connection with the descriptions of courses offered by that Department.

Special attention is called to the academic curriculum leading to the combined A.B.-LL.B. See page 134. The academic requirements for the degree of S.B. in Medicine are shown on page 138. In these curricula students secure the degree of A.B. after three years of academic work and one year of law, and the degree of S.B. in Medicine after three years of academic and one year of medical work in this University.

The minimal number of quarter hours for graduation is 192, including 6 quarter hours in hygiene and physical education. Graduation will be computed in terms of quarter hours even while we are on the semester system. If a subject has class meetings a week for a semester this subject carries three semester hours (four and one-half quarter hours). Laboratory work is considered in this evaluation as one semester hour for two hours of scheduled work in the laboratory. It is entirely possible that a student may accumulate the minimum number of hours for graduation but still not have met the requirements in his Division. The requirements of the Division must be met regardless of the number of quarter hours taken.

There is no intention on the part of the University to evaluate education in terms of hours and courses, but since the usual time period in American Colleges is four years we give the time element in quarter hours and the content in courses for the convenience of the student.

Students are advised to choose their major subjects if possible by the beginning of their second year, if not earlier, as the work in the major may be greatly facilitated by the proper choice of courses in the sophomore year. It is also highly desirable that all the requirements of the first two years be satisfied before entering one of the Divisions for the major work. The Summer Session may be used for this purpose by students who find themselves behind in their schedules.

Students who have finished the foreign language requirements in one language but wish to take another are advised that special courses have been set up for that purpose and are numbered 14, 15, 16. If the regular elementary and intermediate courses, numbered 1, 2, 3, are taken they carry only three hours credit each.

The Divisions

For the purpose of better educational policy in regard to the student's choice of courses, sequences of courses, etc., the faculty is divided into three Divisions, the Division of the Humanities, the Division of the Social Sciences, and the Division of the Natural Sciences. As indicated above, another Division has been set up for administration, guidance, and program-making in the

field of teacher training. The work of some Departments will be found in more than one Division and for convenience that of others may from time to time be shifted from one to another or be placed in more than one; courses in Departments listed in more than one division, however, cannot be counted both as allied to the major and as extra-divisional work.

The student should make up his mind by the end of his freshman year if possible what subject he wishes to make his major. In his sophomore year he should take whatever work he can looking towards his major. In his junior year he enters one of the Divisions and his work is directed by the requirements of the Divisions and by any special needs he may have in conference with the Head of the Division, or by a person designated for this purpose. Students taking the A.B.-LL.B. course do not fall in any Division but are under the direct charge of the Dean of the College of Arts and Sciences; those taking the S.B. in Medicine curriculum are in the Division of the Natural Sciences.

After full consideration and discussion the Divisions have arranged their general plans of operation with reference to requirements in the junior and senior years as will be shown below. As ordered by the General Faculty in its action on the plan, it is understood that any individual may find it advisable to work out for himself a plan, submit that plan in detail to the Division of his choice, and ask for approval of the same. If such approval is granted, he may proceed towards his degree on that plan.

The Division of the Humanities

HOWARD RUSSELL HUSE, Ph.D., *Acting Chairman*
HARRY KITSUN RUSSELL, Ph.D., *Acting Secretary*

The Departments of Instruction included in the Division of the Humanities are as follows:

The Classics	History
English	Philosophy
Germanic Languages	Art
Romance Languages	Dramatic Art
General and Comparative Literature	Music
	Journalism

Note that for the purpose of teacher training the Division of Teacher Training is considered as allied to each Division.

GENERAL STATEMENT

After a student has selected his department of major interest, that department must require of him a minimum of six whole quarter courses, or the equivalent in whole and half courses, and

may require a maximum of eight such courses. In the allied departments of the Division the student must take at least four such quarter courses and may take eight, distributed between at least two departments; not more than four of these divisional courses may be taken within one department. It is required that the student take from departments in the other Divisions at least four and not more than seven whole quarter courses, in all a sufficient number of courses to make a total of at least eighteen whole quarter courses over and above the full requirements of the General College. Special programs may be submitted by students, see above page 121.

PROGRAM FOR HONORS WORK

A student in one of the departments in the Division of the Humanities may as the result of distinguished work be awarded a degree with *Honors* or *Highest Honors*.

I. Application. At the end of the sophomore year or the beginning of the junior year the student with a good record for courses in the General College may become a candidate for honors by applying to the head of his major department or to the chairman of the departmental committee on honors, with whom he will confer on a unified program of work. The student who fails to register for honors before the third quarter of his junior year may be admitted to candidacy only upon application to the Advisory Board of the Division.

II. Requirements. The candidate for honors is expected to give evidence of ability to do work which in quality and quantity can be judged as outstanding. In addition to a good general knowledge of his major subject he must secure an intensive understanding of that special field which will form the background of his essay. To this end he should do, in term and in vacation, a large amount of reading additional to that assigned in his regular courses. (For reading courses see below, Section IV.) A grade average of B in the major subject will normally be considered as a minimum. The following are the formal requirements for a degree with honors in the Division:

1. *Written comprehensive examination.*
2. *Essay.* This essay, which need not be a piece of original research, must be submitted in typed form by May first of the senior year.
3. *Oral examination.* This examination, one hour in length, will be limited to the student's special field.

All of the honors work must come up to a standard of excellence to be determined by the departmental committee, which

shall have charge of the administration of the requirements, and shall have the power to demand that a student return to his regular status. The candidate showing a superlative degree of ability and industry will be awarded *Highest Honors.*

III. ADVISER. To guide him in his reading and in the preparation of his essay a member of the staff of his major department will be assigned the candidate for honors as a special adviser.

IV. EXEMPTION FROM CLASSROOM COURSES. The candidate for honors may receive credit for as many as three reading courses. Such courses, with exemption from class attendance and the requirements of regular courses, should usually be taken during the first and second quarters of his senior year, though the departmental committee, on the recommendation of the special adviser, will have power to modify such a procedure. Only one of the three reading courses may be taken during the junior year, not more than two of them may be taken during a single quarter, and all three of them must be counted as belonging to the major subject. The candidate who upon his own initiative or the decision of the departmental committee abandons working for honors or who fails to satisfy all the formal requirements for a degree with honors may, with the consent of the departmental committee, receive credit for the reading courses which he has completed.

The Division of the Social Sciences

ALBERT RAY NEWSOME, Ph.D., *Chairman*
REX SHELTON WINSLOW, Ph.D., *Secretary*

This Division includes the following Departments of Instruction:

Economics	Psychology	History
Philosophy	Sociology	Political Science

NOTE: See the note on the Division of Teacher Training above in connection with the Division of the Humanities.

GENERAL STATEMENT

This Division requires the student to complete a minimum of six whole quarter courses or the equivalent in whole and half courses in his chosen department of major interest. If however essential foundation courses in the major department have not been completed in the General College, a maximum of eight such courses may be required in that department. From five to seven courses in allied departments within the Division of the Social Sciences are required, and from Departments in the other Divisions at least five and not more than seven whole quarter

courses, in all a sufficient number of courses to make a total of at least eighteen whole courses over and above the full requirements of the General College.

PROGRAM FOR HONORS WORK

The program for honors work in the Division of the Social Sciences is substantially the same as that in the Division of Humanities above, with the important difference that in the Division of the Social Sciences, the candidate for honors may receive credit for only two reading courses.

The Division of the Natural Sciences

John Wayne Lasley, Jr., Ph.D., *Chairman*
Floyd Harris Edmister, Ph.D., *Secretary*

The following Departments of Instruction are included in this Division:

Bacteriology	Philosophy	Chemistry	Physics
Botany	Psychology	Mathematics	Zoology
Geology			

Note: The place of the Division of Teacher Training is indicated above under the Division of the Humanities.

General Statement

The general requirements in this Division are as follows: six whole quarter courses or the equivalent in the department of major interest, six in allied departments of the Division, and six in departments in other Divisions, in all a total of eighteen courses. The Dean is authorized to make such adjustments as are necessary in order that students with majors in science shall not have to take more than the standard number of hours for graduation.

By action of the Division it is agreed that courses taken in the General College (exclusive of regular freshman courses) may, in the discretion of the department concerned, be credited towards meeting the requirements for a major; and that similar courses in allied departments taken in the General College may, in the discretion of his department of major interest, be credited towards meeting the requirement of courses in allied departments. The purpose of this action is to give the student a larger opportunity to take courses in departments outside the Division.

Students with a major in the Division of the Natural Sciences may take any one of the following courses in Philosophy as "allied" or "extra-divisional": Philosophy 66, 71, 134, and 141; all others are classed as "extra-divisional."

For students with a major in the Division in other departments than the Department of Psychology, the introductory course in Psychology (21-22-23 or 24-25) is regarded as "allied"; all others may be taken as "allied" or "extra-divisional."

For students with a major in this Division, Education 90, 92, 189, and 191 may be counted as either "allied" or "extra-divisional," all other courses in Education are treated as "extra-divisional."

The Division of Teacher Training

WILL CARSON RYAN, Ph.D., *Chairman*

GENERAL STATEMENT

By trustee sanction and under direction of the all-University Division of Education, a local Division of Teacher Training is established as an integral part of the College of Arts and Sciences for the purposes of administration, guidance, and program-making in the field of teacher training in the University at Chapel Hill.

Undergraduate students who desire to prepare for secondary school teaching will be admitted to the Division after consultation with the Chairman or his representative. Each student will follow the program of courses in Education outlined below. In addition he selects one of the following as his major field of preparation: English, French, Latin, Mathematics, Music, Natural Science, Physical Education, Social Science, Art. With the advice of the department concerned (or Division in the cases of Natural Science and Social Science) the student follows one of the programs for a major. Students are advised to select a second or minor program in one of the fields listed above or in Dramatic Art, and especially to make such combinations of major and minor as will best prepare them for the integrated high school programs that are developing in North Carolina and other states. Students should consult with the Chairman of the Division of Teacher Training regarding this. If the student chooses to prepare in only one field, his additional electives must receive the approval of the Chairman of the Division.

The Advisory Board of the Division of Teacher Training is composed of the members of the Department of Education and one representative from each of the other departments in the College of Arts and Sciences.

The following courses in Education are required of all students to meet the requirements for certification in North Carolina: Education 41, 71, 99, one course in Materials and Methods, one course in Directed Teaching, and one elective in Education.

The reader should use the following material in considering the numbers attached to courses in the curricula offered below: the numbers shown in the curricula are as they were under the quarter system.

During the academic year 1944-1945 the University operated on the three term system according to the requirements of the United States Navy. There was one short term of six weeks, September 18 to October 27. On November 3 the first term (equivalent to a semester) began and continued until February 24. The second term began March 5 and continued to June 25. This change in the calendar necessitated changes in the numbers of certain courses, chiefly in the freshman and sophomore years as follows:

All strictly undergraduate courses and most of the graduate courses were given on the plan of the semester system. However the numbers of most courses beyond freshman-sophomore level were retained as well as the content, in so far as was possible. There were some courses for V-12 students only not listed below.

Natural Science 1-2-3 became Biology 1-2.

Chemistry 1-2-3 became Chemistry 1-2. There was a special Navy course called C 1-2.

Latin and Greek kept the old numbers, using 1-2 for 1-2-3.

There was a special 5 semester hour course, Economics 34, taking the place of 31-32 though 31-32 also were offered.

English 1-2-3 became E-1, E-2, or 1B-2B; 22-23-24 became E-3, E-4.

German kept the same content and numbered the courses L-1, L-2, L-3 (German).

Social Science 1-2-3 became Social Science 1X, 2X.

Mathematics 1-2-3 was replaced by Mathematics 7-8, but there were a number of special courses offered on the Navy program as follows: M1, M2, M3, M4, M5, M6, M8, M9, and Mathematics 1-2-3 could be satisfied in a number of ways from M1, M2, M3, M4. Mathematics 41-42 became D-1, D-2.

Hygiene 1-2-3 became Hygiene 11 or 12W.

Physics 1-2-3 became Ph-1, Ph-2, though the regular courses also were given.

There was a special Navy course in Psychology called PS 1.

French 1-2-3 became L-1, L-2; 11-12-13 became L-3, L-4; 21-22-23 became L-6, L-7. French 14-15-16 became French 14X, 15X.

Spanish courses changed in the same way as French.

There were special courses in Zoology for the Navy B-1, B-2, B-3, B-4, but B-3 and B-4 were the same as Zoology 104 and 103 respectively.

Other courses not included in this list remained the same.

Curriculum Leading to the Degree of A.B. in Journalism

The course of study for the first two years is the same as that required of other candidates for the A.B. degree.

The following courses are specified in the junior and senior years:

Economics 61.

American Government and one other course in Political Science to be approved by the Head of the Department of Journalism.

Two courses in American History or two courses in North Carolina History.

Six courses in Journalism.

Elective, seven courses. While it is suggested that these may well come from economics, philosophy, English, or foreign languages, it is understood that they are not restricted and the student is free to take his choice from any courses of junior or senior grade in the College of Arts and Sciences.

Academic Curriculum for A.B.-LL.B.

Upon the completion of the courses in the General College and in the College of Arts and Sciences outlined below, with grades of C or better on at least half of the work, *and before matriculation in the School of Law,* and the completion of the first year of law to the satisfaction of the School of Law, a student may receive the degree of A.B., and, upon the satisfactory completion of the three years of law, the degree of LL.B., thus securing both degrees in six years instead of the seven years required for the two separately. The prescribed academic work is shown below.

First Year	*Second Year*	*Third Year*
English 1-2-3	English 22-23-24	Economics 31-32 (if not already taken)
Social Science 1-2-3	History 21-22-23 or 44-45-46	
*Mathematics 1-2-3 or 7-8		
Hygiene 11		
Physical Education 1-2-3		

* Instead of Mathematics 1-2-3 a classical language may be chosen provided the student meets by another language the regular requirement in foreign language.

Select One:
- †Greek 11-12-13
- **Latin 11-12-13
- †French 11-12-13
- †German 11-12-13
- †Spanish 11-12-13

Select One:
- Nat. Science 1-2-3
- Chemistry 1-2-3
- Geology 21-22-23
- Physics 1-2-3

Select One:
- Economics 31-32
- Polit. Science 31-32-33
- History 21-22-23
- History 44-45-46
- Philosophy 21-22-23
- Sociology 21-22-23

Select One:
- **Latin 21, 24-25
- Greek 21-22-23
- French 21-22-23
- German 21-22-23
- Spanish 21-22-23

Select One:
- Botany 41, 43
- Chemistry 1-2-3 or 31 and 41
- ‡Physics 21-22-23
- Zoology 41, 42
- Botany 41 and Zoology 41
- Geology 21-22-23 or 41-42
- Psychology 21-22-23 or 24-25

¶English 44 and one other course of 5 quarter hours in English

¶History and Political Science —2 courses of 5 quarter hours each

Psychology 21-22-23 or 24-25 (if not already taken)

One or more electives as may be needed to complete 9 courses of 5 quarter hours each above the freshman and sophomore years

Curriculum in International Studies

The Curriculum in International Studies leading to degree of A.B. with a major in Political Science has been established for the following purposes:

1) to afford a complete academic major in international affairs;
2) As preparation for a career in the Foreign (consular and diplomatic) Service of the United States;
3) as preparation for those planning to become specialists in international relations;
4) as preparation for advanced study for those preparing to do educational and social work in foreign countries.

† Lacking sufficient preparation in the chosen language, the student will take the 1-2-3 courses which cover the elementary work and the work of courses 11-12-13.

** If the student presents 2 units of Latin, he will take 11-12-13 (freshman year) and 21, 24-25 (sophomore year). If he presents more than 2 units of Latin, he begins his work in that language with the course for which he is prepared, making up by electives the courses omitted by reason of this action.

‡ Physics 21-22-23 may not be taken if Physics 1-2-3 has been taken.

¶ The School of Law recommends that the elective course in English be English 52 (Advanced Composition) and that the electives in history and political science be in English and American history and political science.

*JUNIOR AND SENIOR YEARS

Major: Political Science 51 (if Political Science 31-32-33 or 41-42 have not been taken in the sophomore year) and five or six courses from the following: Political Science 52, 53, 86, 127, 141, 142, 144, 151, and 166.

Allied: Economics 31-32 (if basic economics has not been taken in the sophomore year), Economics 41, 161, History 71-72 (if American history has not been taken in the sophomore year), History 143, and electives to complete the required number of allied courses from the following: Economics 135, 137, History 49, 91, 123, 135, and 136, and Sociology 186.

Non-Divisional: A course in composition and conversation in the language pursued in the freshman and sophomore years, Geography 153, and electives to complete the required number of non-divisional courses from the following: Geography 49, 157, 158, and 159, English 52, courses in literature or civilization in the foreign language pursued, or courses in a second foreign language.

For those students particularly interested in the Latin-American area it is suggested that the language taken be Spanish and that they elect the following courses: Political Science 127, History 91, History 123, Geography 49, and Geography 159.

For those students particularly interested in the European area any of the modern European languages may be taken and the following courses should be elected: Political Science 52, History 49, History 135, History 136, and Geography 158.

For those students particularly interested in the Pacific area the following courses should be elected: Political Science 53 and Economics 137.

Curricula for the Degree of Bachelor of Science

For those students whose interest is in the applied sciences and who wish to enter seriously upon the pursuit of the specialized knowledge and techniques of the sciences the University offers several curricula leading to the degree of Bachelor of Science. Each of these provides for specialization in a particular science (or in the work of the Medical School), accompanied by the necessary instruction in related fields of science and a minimal requirement of work in English, foreign language, and other non-scientific fields. These curricula, which are designed to furnish the fundamental instruction for some of the technical professions are eight in number.

Bachelor of Science in Chemistry
Bachelor of Science in Medicine
Bachelor of Science in Medical Technology
Bachelor of Science in Public Health
Bachelor of Science in Geology
Bachelor of Science in Physics
Bachelor of Science in Public Health Nursing
Bachelor of Science in Bacteriology

* The following is recommended for the first two years: The same arrangement of courses in the General College as is there set up for those intending to seek the degree of A.B., except that it is recommended that in the second year Psychology 21-22-23 be taken as the sophomore natural science, that Political Science 31-32-33 or 41-42 be taken as the sophomore social science and that either Economics 31-32 or History 21-22-23 is to be chosen as the elective.

If required freshman courses are taken after the student begins his seventh quarter or if required sophomore courses are taken after he begins his tenth quarter, only half credit is allowed.

For numbers of courses see Note on page 117.

Bachelor of Science in Bacteriology

FIRST YEAR

Chemistry 1, 2, 3
English 1, 2, 3
Mathematics 1-2-3 or 7-8
Social Science 1, 2, 3
†Foreign Language (French or German) 11, 12, 13
Hygiene 11
Physical Education 1, 2, 3

SECOND YEAR

English 22, 23, 24
French or German 21, 22, 23
Chemistry 31, 42
Botany 41, Zoology 41, 42
Bacteriology 51

THIRD YEAR

Chemistry 61, 62
Physics 24, 25 or 21-22-23
Bacteriology 101, 104, 107
Elective 2 courses

FOURTH YEAR

Bacteriology 110, 115
Elective, 7 full quarter courses, of which three must be outside the Division.

For numbers of courses see Note on page 160.

¶Bachelor of Science in Chemistry

FRESHMAN YEAR

Chemistry 1-2-3
English 1-2-3
†German 11-12-13
Mathematics 1-2-3 or 7-8
Social Science 1-2-3 or Naval Science and Tactics
Hygiene 11
Physical Education 1-2-3

SOPHOMORE YEAR

Chemistry 31, 42, 41
English 22-23-24
*German 21-22-23
Mathematics 21-22-23 or 31-32-33

JUNIOR AND SENIOR YEARS

Chemistry 61, 62, 63, 181, 182, 183
Physics 21-22-23 or 24-25
Geology 147
English 59
Botany 41 or Zoology 41
†Elective, 8½ full quarter courses

For numbers of courses see Note on page 166.

Bachelor of Science in Geology

FRESHMAN YEAR

Required:
- Geology 21-22-23 or 41-42
- English 1-2-3
- Mathematics 1-2-3 or 7-8
- Social Science 1-2-3 or Naval Science and Tactics
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- **French 11-12-13
- **German 11-12-13
- **Spanish 11-12-13

**Lacking adequate preparation, the student must take courses 1-2-3 in any foreign language.

¶ This course meets the requirements of the American Chemical Society for the training of professional chemists.

* Scientific or technical German 24-25-26 may be taken instead of German 21-22-23.

** Lacking adequate preparation the student must take courses 1-2-3 in any foreign language.

† Of these electives 3½ must be in the field of natural science, and of these at least 1½ must be in chemistry, 3 must be outside the field of natural science, and the 2 remaining electives may be in any field.

SOPHOMORE YEAR

Chemistry 1-2-3
English 22-23-24
Geography 31-32-33
Mathematics 41, 51, 52

JUNIOR YEAR

Geology 101, 102, 103
Physics 21-22-23
English 59 and 44 or
†Foreign Language 21-22-23
Elective of 5 hours

SUMMER FIELD WORK

Geology 128-129

SENIOR YEAR

Geology 104, 105, 106
Geology 107, 108, 109
‡Zoology 41 or Botany 41
Two electives of five hours each

For numbers of courses see Note on page 203.

Bachelor of Science in Medicine

The University recommends to each applicant for admission to its School of Medicine that he prepare himself as fully as his age and resources permit. If possible he should first secure a Bachelor's degree, either A.B. or S.B., before beginning his professional study. If this is impracticable, he may secure excellent preparation by completing the academic curriculum, outlined below, leading to the degree of Bachelor of Science in Medicine. The degree is conferred upon the satisfactory completion of the first year of work offered in the School of Medicine.

NOTE: Students pursuing the academic subjects listed below are hereby notified that the completion of these courses does not necessarily mean admission to our School of Medicine. From the rather long list of applicants are chosen a maximum of forty-five who are deemed the most promising material for admission to our School. No arrangement exists for granting the degree of S.B. in Medicine for work in any medical school other than ours. Therefore, in order to secure our S.B. in Medicine, the student must complete the first year of work offered in our School of Medicine and in no other such school. To be eligible for the degree of S.B. in Medicine, at least the last year of academic work must have been done in this institution.

FIRST YEAR

Chemistry 1-2-3
English 1-2-3
Mathematics 1-2-3 or 7-8
Social Science 1-2-3
*Foreign Language 11-12-13 (French or German)
Hygiene 11
Physical Education 1-2-3

SECOND YEAR

Chemistry 31, 42
English 22-23-24
*French 21-22-23 or
*German 21-22-23
Botany 41, Zoology 41, 42 or
Botany 41, Physics 24, 25
Elective, 1 course.

THIRD YEAR

Psychology 21-22-23 or 24-25
Chemistry 61, 62
Zoology 41, 42 or
Physics 24, 25
Elective, 2 courses

For numbers of courses see Note on page 117.

† Scientific or technical German 24, 25, 26 may be taken instead of German 21-22-23.
‡ In special cases an advanced course in a science other than geology may be substituted.
* The intermediate course (11-12-13) in French or German or both are to be taken provided the student shows evidence of adequate preparation; otherwise he takes the elementary courses (1-2-3) in the language or languages. The elementary courses, meeting six hours a week, are designed to cover both the elementary and intermediate work. In case both French and German are elected, the requirement is met in three quarters of each language (courses 1-2-3 or 11-12-13).

Bachelor of Science in Medical Technology

The first two years are the same as in the present curriculum set up for the degree of S.B. in Medicine including: English 1-2-3, 22-23-24 (18 hrs.); Chemistry 1-2-3, 31, and 42 (24 hrs.); Botany 41 and Zoology 41-42 or Botany 41 and Physics 24-25 (or Physics 21-22-23) (18 hrs.); Math. 1-2-3 or 7-8 (9 hrs.); French through 23 or German through 23 (18 hrs.); Social Science 1-2-3 (9 hrs.); Hygiene 11 and Physical Education 1-2-3 (6 hrs.).

Third Year: Zoology 41, 42 or Physics 24, 25 (or 21, 22, 23) (12 hrs.); Chemistry 61, 62 (12 hrs.); Bacteriology 51 (6 hrs.); Elective (15 hrs.).

Fourth Year: Bacteriology 101 (7½ hrs.); Pathology 51 (Clinical Pathology) (4 hrs.); Zoology 105 (Histology and Microtechnique) (6 hrs.); Zoology 110 (5) or Parasitology 231 (3½ hrs.) (5 or 3½ hrs.); Electives (22½ or 24 hrs.).

Note: Of the Electives, at least 20 hours must be in non-scientific courses. After the completion of this course a year of practical experience and training in a hospital recognized for such training will be necessary before the student can qualify for the examinations offered by the American Society of Medical Technology.

Bachelor of Science in Physics

FRESHMAN YEAR

†Physics 1-2-3 or 1-22-23
English 1-2-3
Mathematics 1-2-3 or 7-8
Hygiene 11
Social Science 1-2-3, or Naval Science and Tactics
‡French or German 11-12-13
Physical Education 1-2-3

SOPHOMORE YEAR

Math. 31-32-33 or *21-22-23
French 21-22-23 or **German 21-22-23
Physics 55, 56 or 52, 42 or 54
English 22-23-24

In the junior and senior years, one who expects to work in industrial physics may specialize in experimental courses, while one interested in theoretical physics may specialize in more mathematical courses. Credit of 192 hours as a minimum is required for graduation.

JUNIOR YEAR

Physics 52, 53 or 56, 58
Math. 41, 141
Chem. 1-2-3
English 59
Electives, 5 to 8 quarter hours in some field other than Physics

† Students who have a grade of A or B in Physics 1 may take Physics 22 and 23 in place of Physics 2 and 3, subject to the approval of the instructor.

‡ Lacking adequate preparation, the student must take courses 1-2-3 in French or German.

* If Mathematics 21-22-23 is chosen the student must take in addition an elective course of three hours a week through the year; Mathematics 31-32-33 is recommended.

** If desired, scientific or technical German will be offered in German 24-25-26.

SENIOR YEAR

Electives, 3 to 4 courses in some field other than Physics.
Five courses from the following, at least three being in Physics:
Physics 91, 101, 105, 106, 110, 120, 140, 141, 160, 161, 170
Math. 104, 111, 121, 122, 123, 131, 161, 171
Chem. 42, 61, 62, 181, 182, 183

Bachelor of Science in Public Health

The curriculum leading to the Bachelor of Science in Public Health has as its objective the broad training of students in the biological and physical sciences which are fundamental for public health workers. The first three years are largely devoted to basic courses in chemistry, physics, mathematics, and biology. In the fourth year the work becomes more specialized and is designed for two groups.

1. *Alternative a*: Biology and Public Health. This curriculum consists largely of biological courses and their application to public health sanitation. Some specialization in sanitary chemistry, bacteriology, parasitology, and malariology is possible. For those who wish to continue on into graduate work this curriculum serves as foundation for graduate work leading towards a Master of Science in Public Health.

2. *Alternative b*: Physical Sciences and Public Health. This curriculum is arranged for those who wish to specialize in industrial hygiene or public health engineering. To a background of fundamental work in surveying, strength of materials, and hydraulics are added work in sanitation, sanitary chemistry, bacteriology, and other courses. This program of study is basic for those who wish to prepare for public health engineering work, for a Master of Science in Sanitary Engineering, or a Master of Science in Public Health.

FIRST YEAR

Alternative a: Mathematics 1, 3, 41; Chemistry 1-2-3; English 1-2-3; *Foreign Language 11-12-13 (French, German, Spanish); Social Science 1-2-3 or Naval Science and Tactics; Physical Education 1-2-3; Hygiene 11.

Alternative b: Mathematics 1, 3, 41; Chemistry 1-2-3; English 1-2-3; *Foreign Language 11-12-13 (French, German, Spanish); Social Science 1-2-3 or Naval Science and Tactics; Physical Education 1-2-3; Hygiene 11.

SECOND YEAR

Alternative a: English 22-23-24; Foreign Language 21-22-23; Physics 21-22-23; Zoology 41 and 42; Botany 41; Mathematics 21 and 42.

Alternative b: English 22-23-24; Physics 21-22-23 or 24-25; Mathematics 31-32-33; Foreign Language 21-22-23; Natural Science 1-2-3 or (Botany 41, Geology 41, Zoology 41).

THIRD YEAR

Alternative a: Chemistry 31 and 42; Mathematics 51; Zoology 109; Economics 61; English 59; Geology 41; Zoology 112. †Elective.

Alternative b: Chemistry 31 and 42; Mathematics 51 and 52; Mathematics 121; Mathematics 123; Mathematics 124; Mathematics 42; Economics 61; English 59; †Elective, one course.

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* Lacking adequate preparation, the student must take courses 1-2-3.

† It is suggested that some of the elective courses be taken from the following: Eng. 44, Zool. 41 & 109, Pol. Sci. 31-32-33 & 101, Chem. 61-62-63, Physics 120, Math. 125 & 126.

FOURTH YEAR

Alternative a: P. H. 111; P. H. Administration; Zoology 106-107-108; P. H. 131 Bacteriology; P. H. 161 Sanitation; P. H. 163-164 Sanitary Chemistry; P. H. 135 Parasitology; P. H. 133 Malariology; P. H. 134 Medical Entomology; †Elective.

Alternative b: P. H. 111; P. H. Administration; P. H. 161 Sanitation; P. H. 131 Bacteriology; P. H. 121 P. H. Statistics; P. H. 162 Sanitary Chemistry; P. H. 135 Parasitology; ‡Math. 125; ‡Math. 126; Math. 61; †Elective (Min. 6 hrs., max., 11 hours are to be taken in School of Public Health.)

Bachelor of Science in Public Health Nursing

Candidates for this degree may be in either one of two groups:

A. Those who meet the following requirements:
   1. Satisfactory completion of 99 quarter hours in a recognized college including at least 12 quarter hours in Chemistry, 12 in Biology, 18 in English, 9 in Social Science, the amount of credit, not exceeding 99 quarter hours, extended for work in other colleges to be determined by the Committee on Admissions.
   2. Graduation from a fully accredited School of Nursing, with credit not exceeding 48 quarter hours to be determined by the Committee on Admissions.
   3. Satisfactory completion of a one-year curriculum in Public Health Nursing in the School of Public Health of the University of North Carolina. (45 quarter hours.)

B. Those who have not had college work before entering upon their professional training in Nursing but who meet the following requirements:
   1. Graduation from a fully accredited School of Nursing with credit not exceeding 48 quarter hours to be determined by the Committee on Admissions.
   2. Satisfactory completion of a one-year curriculum in Public Health Nursing in the School of Public Health of the University of North Carolina. (45 quarter hours.)
   3. Two years work in the College of Arts and Sciences of the University with 93 quarter hours including:
      (a) 18 hours in English*; (b) 9 hours in Social Science; (c) 36 hours in approved courses in the Division of Natural Sciences—12 to be in Chemistry, 12 in Biology, and 12 to be selected by the Adviser with respect to the particular needs of the individual students; (d) 15 hours in extra - divisional courses to be selected by the Adviser with reference to the need of the individual student; (e) 12 hours in free electives; (f) 3 hours in Physical Education. Total, 93 quarter hours.

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† See similarily marked footnote on page 140.

‡ Elective courses may be substituted for the courses in structures; if this substitution is made, the courses in structures must be taken in the graduate year by candidates for the Master of Science in Sanitary Engineering.

* Students qualifying in a placement test may be excused from 9 quarter hours in English and substitute 9 quarter hours of non-scientific work.

THE SCHOOL OF COMMERCE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., Litt.D., *President*
ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
DUDLEY DEWITT CARROLL, M.A., *Dean*
JOHN BROOKS WOOSLEY, Ph.D., *Chairman, Graduate Studies and Research*
MILTON S. HEATH, Ph.D., *Chairman, Committee on the Library*

*The Administrative Board

STURGIS ELLENO LEAVITT, Ph.D.
ERLE EWART PEACOCK, M.B.A.
JOHN BROOKS WOOSLEY, Ph.D.
CORYDON PERRY SPRUILL, JR. A.B., B.Litt. (Oxon.)
ALMONTE CHARLES HOWELL, Ph.D.
RICHARD J. MENDENHALL HOBBS, A.B., LL.B.

General Statement

Though courses of instruction in economics and in certain business subjects had been offered for many years in The University of North Carolina, not until 1919 was there established a comprehensive, well-organized business curriculum. In that year, the Legislature, in conformity with the recommendations of the President and the Board of Trustees, enacted the legislation which resulted in the immediate organization of the School of Commerce. The School occupies a place in the University organization which is coordinate in standing and equipment with the College of Arts and Sciences.

The undergraduate course of study, leading to the degree of Bachelor of Science in Commerce, covers a period of four years and is designed to give a foundation of broad and general culture, and at the same time, supply a definite and practical training to those who intend to engage in any of the great lines of industrial and commercial activity. For those desiring more intensive specialization, the School of Commerce offers graduate courses leading to the degree of Master of Science in Commerce.

Aim and Purpose

The phenomenal industrial development of the South in recent years has produced an imperative need for trained business men. The School of Commerce in a large sense is the expression of the University's desire to serve this special need of its own particular section. To this end substantial support has

* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

been accorded the School both by the University and the State as a whole. In consequence the School has been provided with a large and able corps of instructors, with spacious quarters in Bingham Hall, and thoroughly modern teaching facilities.

It is the purpose of the School of Commerce to provide its students with as thorough and scientific business training as it is possible to give within the range of the subject which it attempts to cover. Its teaching policy assumes that such training should consist not only of the requisite understanding of the principles and methodology which govern the organization and administration of typical business enterprises, but in addition an understanding of the problems and the larger relationships of the economic organization as a whole. In his attempt to master the technical and the vocational aspects of business, the student will not be permitted to lose sight of the social and cultural.

Naval R.O.T.C.

For information on the method of crediting the work of the Naval R.O.T.C. the reader is referred to the section on this subject to be found under the General College.

Teaching Policy

Wherever possible, the plan is followed of presenting the subject-matter of the various courses from the point of view of the executive, always bearing in mind that the executive's field of interest includes the broad outside relationships as well as the internal administration of his business. Adherence to this common point of view prevents confusion in the mind of the student and enables him to place the problems and practices of business in their true perspective.

Within the short space of time at his disposal, it is impossible for the student to investigate in detail the entire field of business. It is therefore the policy of the School of Commerce to supplement the general survey which is required of every student with a more intensive study of that portion of the field which is of especial interest to him. To this end there have been prepared for the student certain groupings of closely related courses. The groupings have been made in such a way as to correspond to certain major functions which must be performed in the successful administration of a business enterprise.

These functions may be designated as follows: (1) production; (2) finance; (3) marketing and selling; (4) management of personnel; (5) risk and insurance; (6) accounting; (7) statistics.

In addition to these groups, which have been constructed to

conform with the major business functions, certain others have been provided also. The first of these offers special study in the field of foreign trade. It is so devised as to be of value not only to those intending to engage in some branch of export or import trade, but also to be of material aid to those looking forward to careers in connection with the diplomatic and consular service.

Scope of Specialization

Specialization in the manner here indicated, however, does not begin until the senior year, except in the accounting, marketing, and merchandising groups. The School of Commerce accepts the principle that a broad and thorough training in fundamentals, as well as some maturity of mind, should precede any high degree of specialization. Whether the educational process be viewed as a training of the mental faculties, or as the acquisition of a fund of knowledge, it is equally imperative that the materials of study be definite and compact. Arrangement and treatment must be so designed as to assure results which are cumulative and which have continuity of direction.

To this end the undergraduate curriculum of the School of Commerce is arranged in logical sequence, with the same requirements imposed upon virtually all candidates for degrees until the senior year is reached. During his freshman and sophomore years in the General College the student is required to follow a path of study which closely parallels the liberal arts course. The first year's work includes English composition, mathematics, social science, biological science, and a *modern language. In the second year are courses in general economics; in English and American Literature; in a natural science; and an election of courses from business organization, accounting, general psychology, American federal government, and a continuance of the chosen modern language.

In his junior year the student devotes most of his time to required courses in economics, commerce, psychology, and government, which include money and banking, business organization, accounting, economic statistics, **general psychology, and **American federal government.

In the senior year specialization begins through the election by the student of his preferred group of courses from the list outlined above. It is to be noted that the freedom to elect does

* A written test of reading knowledge of one modern foreign language is a requirement in the School of Commerce. This reading test may be taken upon completion of the freshman language course or at the end of any succeeding quarter at the option of the student. A grade of "B" or better in the last term of freshman language or any later course is accepted as evidence of a reading knowledge of the language. A student may take additional language for credit after the reading test is passed.

** Courses in general psychology and in American federal government may have been elected already in the General College.

not apply to courses regarded singly, but only to courses as they are arranged in more or less standardized groups. Having chosen a given group, the student is expected to satisfy its requirements in full unless a substitute program has been submitted to and approved by the Administrative Board of the School.

Importance of Graduate Study

From the preceding survey of the undergraduate curriculum it is apparent that those students who are desirous of securing the benefits of thorough specialized training and intensive research work should continue in the University for at least one year of graduate study.

The Administrative Board of the School strongly urges the advisability of such an additional year for the superior student. Equipped with his undergraduate training, unburdened of the formal routine of courses which have been preparatory in nature, the graduate student is free to concentrate his full powers upon the subject of his choice. His attitude changes from one of receptivity and acquiescence to one of active inquiry and initiative. He is charged with the responsibility of finding new materials and new arrays of facts, and of subjecting them to his own independent analysis, to the end that new relationships may be discovered or new evaluations made. His initiative, his analytical and creative powers, his quality of persistence, are tested and developed to a degree impossible of attainment in the undergraduate years.

The School of Commerce is prepared to offer graduate instruction and facilities for graduate research activities in the fields indicated by the senior study groups. Courses have been developed exclusively for graduate students. They are designed primarily for the encouragement and guidance of research activity, and in consequence are conducted informally and on a basis of close personal contact between professor and student.

Graduate Degrees

The School of Commerce offers through the Graduate School the graduate degree of Master of Science in Commerce. Candidacy for this degree is conditioned upon the holding of a degree of S.B. in Commerce from this institution or from another institution of approved standing where the work required in commerce is of substantially the same nature and volume. Graduates who transfer from other institutions and who did not specialize in Commerce may pursue graduate work in Commerce upon the completion of the essential undergraduate requirements in this field.

The Department of Economics and Commerce offers through the Graduate School the degree of Doctor of Philosophy. It is possible under this arrangement to take a major in either field and a minor in the other.

Graduates of other institutions desiring to enter as candidates for higher degrees should submit their records together with application for entrance to the Dean of the Graduate School.

The conferring of the degree of Master of Science in Commerce assumes as a minimum the completion of eight full courses or their equivalent as approved by the Dean, a residence period of at least one year, and the completion of a thesis which embodies the results of original research work on the part of the student. (For further details see the catalogue of the Graduate School.)

Special Students

There are many young people already in business who feel the need of additional special training but who are unable to spend the full four years at the University, or who cannot provide proper entrance credits. Recognizing this, the School of Commerce will admit students of twenty-one years of age or over, who cannot fulfill the entrance requirements, as special students but not as candidates for degrees. Such students must supply satisfactory evidence of their ability to profit from the courses. Such evidence must include testimonials from former employers certifying to the term, nature, and quality of their work. A personal interview with the Dean also is recommendeded. Veterans of World War II also will be admitted as special students if they are approved by the Veterans' Administration as qualified to do work at the college level. Special students are admitted on probation.

Library Facilities

In addition to the facilities afforded by the general library of the University, the School of Commerce is equipped with its own special collection of materials. In the latter are contained a large number of the economic and business publications of recent years which may be of value to the student. An annual fund of about $2,500 assures that the collection will be well maintained and kept up-to-date.

Especially noteworthy is the collection of periodical publications. Most of the important periodicals in the general field of business and finance are regularly received. In addition, the School of Commerce is a regular subscriber to over fifty trade

journals, and to the statistical services of Moody, Brookmire, Gibson, the Babson Institute, and the Standard Statistics Company. The Harvard and Cambridge Economic Surveys also are provided.

A full-time librarian is in charge and is prepared to aid students in the collection of such materials for research work as may not be currently available in the University. Special library privileges are accorded graduate students who have access to the stack rooms and private desk space.

Lectures and Observation Trips

Students are expected to take advantage of the frequent opportunities to hear lectures offered by prominent business men who are invited to the University for this purpose. These lectures will prove of great value to the student in furthering his acquaintance with the practical aspects of business.

From time to time the classes in business subjects make visits to neighboring factories and other types of business institutions for the purpose of making first-hand studies of organization and administrative methods.

Business Clinics

In addition to formal lectures, the School from time to time arranges for recognized business leaders to come to the University for informal discussion of current business problems in their respective fields. The virtue of this arrangement is that the informal discussion of problems in a particular field will give the student a clearer understanding of the actual everyday aspects of business.

Stenography

No credit toward the degree is given for stenography but every student is urged to acquire facility in the use of it before graduation. Instruction in this subject is not offered by the University but can be secured in Chapel Hill in a private school.

Standards of Work

The School was admitted to membership in the American Association of Collegiate Schools of Business in 1923. This is an organization formed for the promotion of thorough-going, scientific training for the business profession. It maintains high standards of membership based on the number and training of the faculty, the thoroughness of the work, the length and breadth of the curriculum, the number of students, the financial backing of the School, and the facilities for carrying on the work.

Student Habits

Training for business, if it is to be worthy of the name, should include at least two elements: first, an understanding of the principles and processes of business; and second, the practice of habits of work essential to business success. Observation appears to justify the conclusion that promptness, industry, systematic application, and honest performance are quite as vital to mastery in the business world as an understanding of the nature of industrial and commercial phenomena. It is wasteful, then, to allow students to proceed far in this field if they are unwilling to fashion their habits in conformity with these essential requirements. The policy of the School will be to drop from its rolls any student who after a reasonable time fails to respond to the above standards. Attendance on classes and promptness and regularity in performing assigned work are judged in terms of the above principle.

Fellowships and Assistantships

Two teaching fellowships, each of an annual value of $500 plus free tuition in the Graduate School, are annually awarded in the Department of Economics and Commerce. The recipients may be called on to do teaching or other duties in the Department not exceeding one-third of their time. Applications should be made prior to March 1.

The Ernest H. Abernethy Fellowship in Southern Industry of an annual value of $500 plus free tuition was established in 1944 and will be available in 1945-1946. The holder is required to do research in an industry of importance to the South and to prepare a thesis as a result of the study.

A number of graduate and undergraduate assistantships, with stipends ranging up to $450 plus free tuition in the Graduate School, are awarded each year. The duties consist of grading papers, conducting laboratories, construction of charts, etc.

*Admission

Admission to the School of Commerce is based upon the satisfactory completion of the first two years of college work given in the General College of this University or its equivalent certified by another institution of recognized academic standing.** By order of the Board of Trustees women may enter the School of Commerce on the same terms as men. Based on fifteen entrance units which conform to the admission require-

* The outline of the work of the first two years is shown since the required work differs in some particulars from that of the College of Arts and Sciences.

** See footnote on page 125 for fee to be sent with an application for admission.

ments of the General College, the subjects covered in the first two years are as shown below.

The reader, in considering the numbers of the courses in this and other curricula, should consult the material preceding the curricula in the General College and the College of Arts and Sciences on pages 117 and 125.

FRESHMAN YEAR

English 1-2-3
Mathematics 1-2-3 or 7-8
Social Science 1-2-3
Natural Science 1-2-3c

Choose one‡:
- †‡French 11-12-13
- †‡Spanish 11-12-13
- †‡German 11-12-13

Hygiene 11
Physical Educ. 1-2-3

SOPHOMORE YEAR

English 22-23-24
Economics 31-32
Economics 41

Choose three:
- Commerce 51
- Commerce 66
- Commerce 71
- Political Science 41

Choose one:
- Zoology 41, 42
- Botany 41, 43
- Chemistry 1-2-3
- Phys. 21-22-23 or 24-25
- Geol. 21-22-23 or 41-42
- Mathematics 21-22-23

Satisfactory completion of the first two years of college work is interpreted to mean that at least half the credits are of C grade or better (C on a percentage basis covers the range from 80% to 90% with 70 as a minimum passing grade).

Curriculum Leading to the Degree of Bachelor of Science in Commerce

The degree of Bachelor of Science in Commerce will be conferred upon students who complete any one of the following curricula. An additional requirement for graduation is that the grades in at least half the work of a student shall be C or higher.

In order that the junior and senior subjects may be chosen in such a way as to constitute a coherent and comprehensive whole, rather than an unrelated and scattered series, the following programs have been devised. Each student is expected to elect at the beginning of his junior year the group which best serves his needs and to adhere to it. However, students whose interests do not coincide with any of the following groups are invited to submit an alternative program for the approval of the Administrative Board of the School.

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† The student who is not qualified to pursue the intermediate courses may take courses numbered 1-2-3, which cover both the elementary and intermediate work and prepare one to pursue the advanced courses.

‡ A written test of reading knowledge of one modern foreign language is a requirement in the School of Commerce. This reading test may be taken upon completion of the freshman language course or at the end of any succeeding quarter at the option of the student. A grade of "B" or better in the last term of freshman language or any later course is accepted as evidence of a reading knowledge of the language. A student may take additional language for credit after the reading test is passed.

The following courses are required of all juniors and seniors in the School of Commerce:

All of these which were not elected in the sophomore year.

Commerce 51.....Business Organization
Commerce 66.....General Psychology
Commerce 71.....Principles of Accounting
*Polit. Sci. 51.....The Federal Government

Economics 81.....Principles of Money and Banking
Economics 170.....Economic Statistics
Commerce 72.....Principles of Accounting (continued)
Commerce 91-92.....Business Law
Economics 135.....Economic History
Economics 191.....An Introduction to the Labor Problem
Economics 195.....Theories of Economic Reform
Economics 197.....Government and Business

Choose one

The following additional courses are required of students choosing the major fields listed below:

I. Banking and Finance

Economics 141.....Public Finance
Economics 185.....Business Cycles
Commerce 181.....Advanced Banking and Foreign Exch.
Commerce 191.....Corporation Finance
Commerce 192.....Corporate Financial Policies
Commerce 195.....Investments
†4 Non-Divisional Electives
†2 Divisional Electives

II. Accounting

Commerce 171.....Advanced Accounting
Commerce 173.....Cost Accounting
Commerce 175.....Auditing
Commerce 177.....Income Tax Procedure
Commerce 179.....Governmental Accounting
Commerce 151.....Production
or
Commerce 191.....Corporation Finance
†4 Non-Divisional Electives
†2 Divisional Electives

* If Political Science 41 was not chosen in the sophomore year.
† The electives must receive the approval of the Dean.

III. Statistics

Economics 171.....Advanced Economic Statistics
Economics 172.....Advanced Economic Statistics (cont.)
Commerce 191.....Corporation Finance
**Mathematics 21-22-23.....Second Year Mathematics
Mathematics 111.....Elementary Mathematical Statistics
*2 Non-Divisional Electives
*4 Divisional Electives

IV. Marketing, Merchandising, and Advertising

Economics 124.....Principles of Marketing
Commerce 61.....Sales Management
Commerce 161.....Advertising
Commerce 163.....Advanced Course in Marketing
Commerce 165.....Retail Distribution
*4 Non-Divisional Electives
*3 Divisional Electives

V. Production Management

Commerce 151.....Production Management
Commerce 154.....Production Management: Theories and Practices
Commerce 155.....Personnel Management
Commerce 157.....Time and Motion Study
Commerce 173.....Cost Accounting
*4 Non-Divisional Electives
*3 Divisional Electives

VI. Personnel Management

Commerce 151.....Production Management
Commerce 155.....Personnel Management
Commerce 156.....Personnel Problems
Economics 191.....An Introduction to the Labor Prob.
Psychology 135.....Personnel Psychology
Education 106.....General Principles of Occupational Diagnosis and Guidance
*2 Non-Divisional Electives
*4 Divisional Electives

VII. Insurance

Economics 121.....Risk and Risk-Bearing
Economics 124.....Principles of Marketing
Economics 185.....Business Cycles
or
Economics 191.....An Introduction to the Labor Prob.
Commerce 121.....Insurance: Life
Commerce 122.....Insurance: Fire, Marine, Bond, Title
Commerce 191.....Corporation Finance
*4 Non-Divisional Electives
*2 Divisional Electives

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* The electives must receive the approval of the Dean.
** If Mathematics 21-22-23 were elected in the sophomore year, two non-divisional elective courses approved by the Dean may be substituted.

VIII. Foundation for Law*

Economics 141.....Public Finance
Economics 151.....Transportation
or
Economics 153.....Public Utilities
Economics 191.....An Introduction to the Labor Prob.
Economics 197.....Government and Business
Commerce 177.....Income Tax Procedure
Commerce 191.....Corporation Finance
Political Science 81 American State Government
Political Science 134.....County Gov. and Administration
English 44.....Public Speaking
or
English 52.....Advanced Composition
Philosophy 91.....Philosophy of the State
or
History 71-72.....American History
**3 or 4 Electives in Economics or Commerce (only one can be in Economics).

IX. General

Commerce 151.....Production Management
or
Commerce 155.....Personnel Management
Commerce 191.....Corporation Finance
Economics 124.....Principles of Marketing
**5 or 4 Non-Divisional Electives
**4 or 5 Divisional Electives (not fewer than two nor more than three may be in Commerce).

X. Combined Course in Commerce and Law

The University offers a combined curriculum which leads to the degree of S.B. in Commerce at the end of four years and LL.B. at the end of six years.

The academic curriculum which must have been entirely completed before the student enters the School of Law is as follows:

* Students in this group omit Commerce 91-92 (Business Law).
** The electives must receive the approval of the Dean.

FRESHMAN YEAR

English 1-2-3
Mathematics 1-2-3 or 7-8
Social Science 1-2-3
Natural Science 1-2-3c

Choose one*: †French 11-12-13; †Spanish 11-12-13; †German 11-12-13; Hygiene 1-2-3; Physical Educ. 1-2-3

SOPHOMORE YEAR

English 22-23-24
Economics 31-32
Economics 41
English 44 or English 45

Choose three: Political Science 41; Commerce 51; Commerce 66; Commerce 71

Choose one: Zoology 41, 42; Botany 41, 43; Chemistry 1-2-3; Phys. 21-22-23 or 24-25; Geol. 21-22-23 or 41-42; Math. 21-22-23

JUNIOR YEAR

All of these which were not elected in the sophomore year:

Commerce 51.....Business Organization
Commerce 66.....General Psychology
Commerce 71.....Principles of Accounting
‡Pol. Science 51.....Government of the U. S.

Commerce 72.....Principles of Accounting (continued)
Economics 81.....Principles of Money and Banking
Economics 135.....Economic History
Economics 170.....Economic Statistics
Economics 191.....An Introduction to the Labor Prob.
Economics 195.....Theories of Economic Reform

Choose one:

**2 Non-Divisional Electives
**4 Divisional Electives

Upon completion of the above program (of three years) with grades of C or better on at least half the work, the student enters the School of Law. The degree of S.B. in Commerce is conferred at the end of the fourth year (first year in Law) provided the student has passed all the work of the first year of Law to the satisfaction of the School of Law.

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* See note on language requirement at bottom of page 149.

† The student who is not qualified to pursue the intermediate courses may take courses numbered 1-2-3, which cover both the elementary and intermediate work and prepare one to pursue the advanced courses.

‡ If Political Science 41 was not chosen in sophomore year.

** The electives must receive the approval of the Dean.

PART FOUR

ACADEMIC DEPARTMENTS

DESCRIPTION OF COURSES

In this section are listed and described all courses offered in the regular sessions of the University except those in the professional schools of Law, Medicine, Pharmacy, Public Welfare, Public Health, and Library Science. For courses in these schools see the special bulletins.

In footnotes to each Department are shown the various requirements for majors.

Notes on the Method of Numbering and Counting Courses

The work of the University, except in the School of Law, is arranged and offered on the quarter system, the regular session being divided into three approximately equal parts called the fall, winter, and spring quarters. The summer session is divided into two terms.

Work is valued and credited towards degrees by quarter hours, *one such hour being allowed for each classmeeting a week for a quarter, laboratory or field work counting one hour for each two hours of work in laboratory or field, and work in studio (art) counting one hour for each three hours. In the following announcements of courses the numbers in parentheses following the descriptive titles show the credits allowed in semester hours. In each description will be found the number of actual hours the course meets each week. The reader is reminded that each semester hour equals one and one-half *quarter hours*. He is referred also to the notes on page 117 for the numbers which correspond, chiefly in the lower courses, with numbers listed in various curricula.

In the event that required freshman subjects are taken after a student begins his junior year or required sophomore subjects after he begins his senior year, such subjects carry half credit only. This rule applies to the class registered as freshmen in the year 1925-1926 and to all later registrants.

**Courses numbered from 1 to 10 are for freshmen only, from 11 to 20 are ordinarily for freshmen and sophomores, from

* In the case of elementary courses in foreign language taken by those who do not qualify for the regular freshman courses of collegiate grade the work is counted towards a degree as of the same value as the regular freshman courses.

** Courses in chemistry for undergraduates are grouped by decades under the headings inorganic, analytical, organic, etc.

21 to 40 for sophomores, from 41 to 50 for sophomores (but open to juniors or seniors), from 51 to 100 for juniors and seniors, from 101 to 200 for advanced undergraduates and graduates, from 201 to 400 for graduates only. Courses numbered 301 to 400 are research courses. Undergraduates may not take courses numbered above 200 except by special permission of the instructor in the course *and* the head of the department. Courses numbered from 1 to 100 carry no credit towards any advanced degree.

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†*DEPARTMENT OF ANATOMY

Professor: W. C. GEORGE
Guest Professor: B. F. KINGSBURY
Associate Professor: C. D. VANCLEAVE
Assistant Professors: F. N. LOW, E. C. PLISKE
Lecturers: W. W. VAUGHAN, ALEXANDER WEBB, JR.
Technician: NELL Q. HENRY

The courses include gross and microscopic anatomy, embryology, the topography of the body, the application and relation of anatomy to medicine and surgery, and the anatomy of the central nervous system and the organs of special sense.

101. CENTRAL NERVOUS SYSTEM AND ORGANS OF SPECIAL SENSE (4).
Three lecture and six laboratory hours a week, third quarter. $5.00 laboratory fee for non-medical students. Messrs. Low, VanCleave.

102. GENERAL HISTOLOGY AND ORGANOLOGY (6 2-3).
Five lecture and ten laboratory hours a week, first quarter. $5.00 laboratory fee for non-medical students. Messrs. Pliske, George.

103. EMBRYOLOGY (4).
Three lecture and six laboratory hours a week, second quarter. $5.00 laboratory fee for non-medical students. Messrs. George, Pliske.

104. CYTOLOGY AND HISTOGENESIS (4). Prerequisite, Anatomy 102, Anatomy 103.
Three lecture and six laboratory hours a week, third quarter. $5.00 laboratory fee for non-medical students. Mr. George.

106. ADVANCED NEURO-ANATOMY (6 2-3). Prerequisite, Anatomy 101 or equivalent.
$5.00 laboratory fee for non-medical students. Offered in alternate years. Offered in 1945. Mr. Low.

107ab. GROSS ANATOMY (13 1-3).
Six lecture and sixteen laboratory hours a week, first quarter; three lecture and six laboratory hours a week, second quarter. $15.00 laboratory fee for non-medical students. Messrs. VanCleave, Low.

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* Before registering for any of these courses the academic student must secure the permission of his Dean.

† In indicating the *quarters* in which courses in departments of the School of Medicine are offered, *first, second,* and *third quarters* refer to the quarters of the session on the plan of that school, which begins a new session every nine months.

*DEPARTMENT OF ART

Associate Professors: **J. V. ALLCOTT, CLEMENS SOMMER
Resident Artist and Acting Head of Department: KENNETH NESS
Visiting Lecturer: WILLIAM MEADE PRINCE
Instructors: ***HARRIET DYER ADAMS, ****ARNOLD BORDEN
Curator and Acting Director, Person Hall Art Gallery: ***HARRIET DYER ADAMS
Curator: HELENE TIRANOFF

Courses for Undergraduates

NOTE: In each course hereafter the value in quarter hours is fifty (50) per cent greater than the figure given in parenthesis.

41. THE HISTORY AND APPRECIATION OF MEDIEVAL ART (3).
Three hours a week, summer semester. Messrs. Sommer, Harland (of the Department of Classics).

42. THE HISTORY AND APPRECIATION OF RENAISSANCE ART (3).
Three hours a week, winter semester. Mr. Sommer.

43. THE HISTORY AND APPRECIATION OF MODERN ART (3).
Three hours a week, spring semester. Messrs. Allcott, Sommer.

44. BEGINNING DRAWING AND COMPOSITION (3).
Nine hours a week, summer semester. Laboratory fee, $7.50. Messrs. Allcott, Ness.

45. BEGINNING DRAWING AND DESIGN (3).
Nine studio hours a week, winter semester. Laboratory fee, $7.50. Messrs. Allcott, Ness.

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* The courses in Art are designed to fill two functions in the University program: (1) to give the student with a major in Art a well-rounded knowledge of the historical aspect balanced by a grounding in the technical and creative side; and (2) to give students in other departments the opportunity to study art for its broadening value in the liberal arts program.

The student planning an A.B. with a major in Art must complete Art 41-42 or 42-43 and Art 44-45 or 45-46 before the junior year. Regular courses in the General College postponed in order that these courses in Art may be taken, must be completed at some later time.

The undergraduate major in Art consists of from twenty to twenty-seven semester hours (30 to 40 quarter hours) beyond the freshman-sophomore requirements. These credit hours should be divided equally between studio and history courses. A student desiring to continue work in architecture, sculpture, or painting should include at least two history courses in his particular field and at least two courses divided between the other two fields. Studio work may be developed in this same way with particular stress given to one phase of art as worked out with the head of the department.

Laboratory fees cover the cost of model fees and of materials used in courses and are payable the first day of each semester at the office of the Department of Art.

The Department of Art reserves the privilege of keeping examples of the work of any student for permanent reference and exhibition.

Persons not regularly enrolled in the University who desire instruction in studio work may obtain special instruction by members of the Department of Art at a fee of $1.50 a lesson. Hours are to be arranged with the individual instructor. All fees for special instruction must be paid at the office of the Department of Art. No person not enrolled in the University will be permitted to enter University courses.

For courses in ancient art see the courses listed under the Department of Classics.

The study of art is facilitated by the constantly changing exhibitions in Person Hall Art Gallery. (see page 67.)

** Absent on leave for the duration of the war.
*** Resigned December 31, 1944.
**** Absent on leave in military service.

46. BEGINNING PAINTING (OR SCULPTURE) (3).
Nine studio hours a week, spring semester. Laboratory fee, $7.50. Messrs. Allcott, Borden, Ness.

48. GRAPHIC DESIGN I (3). Prerequisite, Art 45-46 or equivalent. Open to qualified new students with consent of instructor.
Nine studio hours a week, summer semester. Laboratory fee, $7.50. Mr. Ness.

49. GRAPHIC DESIGN II (3). Prerequisite, Art 45-46 or equivalent. Open to qualified new students with consent of the instructor.
Nine studio hours a week, winter semester. Laboratory fee, $7.50. Mr. Ness.

50. GRAPHIC DESIGN III (3). Prerequisite, Art 45-46-49 or equivalent. Open to qualified new students with consent of the instructor.
Nine studio hours a week, spring semester. Laboratory fee, $7.50. Mr. Ness.

51. MEDIEVAL ARCHITECTURE (3). Prerequisite, Art 41-42 or equivalent.
(1944-1945 and alternate years). *Three hours a week, spring semester.* Mr. Borden.

52. RENAISSANCE ARCHITECTURE (3). Prerequisite, Art 41-42 or equivalent.
(1945-1946 and alternate years). *Three hours a week, spring semester.* Mr. Borden.

53. MODERN ARCHITECTURE (3). Prerequisite, Art 42-43 or equivalent.
(1945-1946 and alternate years). *Three hours a week, winter semester.* Mr. Allcott.

54. THE SUBJECT MATTER OF CHRISTIAN ART (3).
Three hours a week, summer semester. Mr. Borden.

61. MEDIEVAL SCULPTURE IN NORTHERN EUROPE (3).
Three hours a week, summer semester. Mr. Sommer.

62. ITALIAN SCULPTURE OF THE RENAISSANCE (3).
Three hours a week spring semester. Mr. Sommer.

63. MODERN SCULPTURE (3). Prerequisite, Art 41-42 or equivalent.
Three hours a week, winter semester. Mr. Borden.

70. AMERICAN ART (3).
Three hours a week, winter semester. Mr. Allcott.

71. ITALIAN RENAISSANCE PAINTING (3). Prerequisite, Art 42-43 or equivalent.
Three hours a week, winter semester. Mr. Sommer.

73. FRENCH PAINTING (3).
Three hours a week, summer semester. Mr. Allcott.

74. BAROQUE PAINTING IN THE NETHERLANDS (FLANDERS AND HOLLAND) (3).
Three hours a week, spring semester. Mr. Sommer.

75. CONTEMPORARY ART (3).
Three hours a week, spring semester. Miss Adams.

80. DRAWING AND PAINTING (3). Prerequisite, Art 44-45 or equivalent.
Nine studio hours a week, summer semester. Laboratory fee, $7.50. Messrs. Allcott, Ness.

81. STILL LIFE AND LANDSCAPE PAINTING (3). Prerequisite, Art 44-46 or equivalent.
Nine studio hours a week, winter semester. Laboratory fee, $7.50. Messrs. Allcott, Ness.

82. COMPOSITION (3). Prerequisite, Art 44-46 or equivalent.
Nine studio hours a week, spring semester. Laboratory fee, $7.50. Messrs. Allcott, Ness.

83. ART ANATOMY (3). Prerequisite, Art 44-45 or equivalent.
Three hours a week, winter semester. Laboratory fee, $3.00. Mr. ————.

84. SCULPTURE (3).
Nine studio hours a week, winter semester. Laboratory fee, $7.50. Mr. Borden.

85. ADVERTISING ART (3). Prerequisite, Art 45 or Commerce 161 and consent of instructor.
Two lecture and three studio hours a week, winter semester. Laboratory fee, $7.50. Mr. ————.

Courses for Graduates and Advanced Undergraduates

104. ADVANCED DRAWING AND PAINTING (3). Prerequisite, Art 80-81.
Nine studio hours a week, summer semester. Laboratory fee, $7.50. Messrs. Allcott, Ness.

105. ADVANCED PAINTING AND PAINTING PROCESSES (3). Prerequisite, Art 80-81 or equivalent.
Nine studio hours a week, winter semester. Laboratory fee, $7.50. Messrs. Allcott, Ness.

106. ADVANCED COMPOSITION (3). Prerequisite, Art 81-82 or equivalent.
Nine studio hours a week, spring semester. Laboratory fee, $7.50. Messrs. Allcott, Ness.

108. ILLUSTRATION (3). Prerequisite, Art 44-46 and 80-81 or equivalent.
Nine studio hours a week, spring semester. Laboratory fee, $10.00. Mr. Prince.

109. COSTUMED FIGURE (3). Prerequisites, Art 44-46 and 80 or equivalent.
Nine studio hours a week, winter semester. Laboratory fee, $10.00. Mr. Prince.

110. LIFE DRAWING (3). Prerequisite, consent of instructor. May be repeated for additional credit.
Nine studio hours a week, winter or spring semester. Laboratory fee $7.50. Messrs. Allcott, Ness.

170. MODERN PAINTING (3). Prerequisite, Art 73 or 75. *Three hours a week, winter quarter.* Mr. Allcott.

171. FLORENTINE PAINTING (3). Prerequisite, Art 42-43. (1945-1946 and alternate years). *Three hours a week, summer semester.* Mr. Sommer.

174. FIFTEENTH CENTURY PAINTING IN NORTHERN EUROPE (3). Prerequisite, Art 41-43 or 42-43. (1944-1945 and alternate years.) *Three hours a week, winter semester.* Mr. Sommer.

177. ORIGINS OF EUROPEAN ENGRAVING AND WOODCUT (3). (1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Sommer.

Courses for Graduates

253. MODERN ARCHITECTURE (5). (1945-1946 and alternate years.) *Five hours a week, winter semester.* Mr. Allcott.

261. LATE GOTHIC SCULPTURE (5). Prerequisite, Art 61. (1944-1945 and alternate years.) *Five hours a week, spring semester.* Mr. Sommer.

270. STUDIES IN MODERN PAINTING (5). Prerequisite, Art 170. (1945-1946 and alternate years.) *Five hours a week, winter semester.* Mr. Allcott.

271. VENETIAN PAINTING (5). (1945-1946 and alternate years.) *Five hours a week, winter semester.* Mr. Sommer.

272. NORTHERN PAINTING (5). (1944-1945 and alternate years.) *Five hours a week, winter semester.* Mr. Sommer.

274. BAROQUE PAINTING IN ITALY AND FRANCE (5). (1945-1946 and alternate years.) *Five hours a week, spring semester.* Mr. Sommer.

301. SEMINAR COURSE (5).

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor: D. A. MACPHERSON
Associate Professor: ————————
Instructor: W. R. STRAUGHN
Research Assistant: LOIS NORMAN
Research Technician: SARA BENNETT

Course for Undergraduates

51. ELEMENTARY BACTERIOLOGY (6). Prerequisite, General Chemistry and one course in Botany or Zoology. **Elective.
Three lecture and six laboratory hours a week, spring semester. Laboratory fee, $4.00. Messrs. MacPherson, Straughn.

Courses for Graduates and Advanced Undergraduates

101. PATHOGENIC BACTERIOLOGY (5). Prerequisite for academic students, General Chemistry, Chemistry 31, and Bacteriology 51, or equivalent. **Elective.
Three lecture and nine laboratory hours a week, summer term. Laboratory fee for non-medical students, $6.00. Messrs. MacPherson, Straughn, ————————.

104. INFECTION IMMUNITY AND SERUM DIAGNOSIS (4). Prerequisite, Bacteriology 101 or its equivalent. **Elective.
Three lecture and six laboratory hours a week, first quarter. Laboratory fee for non-medical students, $6.00. Messrs. MacPherson, Straughn, ————————.

107. BACTERIOLOGY OF WATER AND FOODS (5). Prerequisite, Bacteriology 51. **Elective.
Two lecture and six laboratory hours a week, spring semester. Mr. ————————, Assistant.

110. PUBLIC HEALTH LABORATORY METHODS (2 1/3). Prerequisite, Bacteriology 51. **Elective. Not offered 1945-1946.
Two lecture and six laboratory hours a week, first quarter. Laboratory fee for non-medical students, $4.00. Mr. MacPherson.

115, 116, 117. ADVANCED BACTERIOLOGY (5½). Prerequisite, Bacteriology 101 and 104. **Elective.
One conference and nine laboratory hours a week, any semester. Laboratory fee, $4.00. Staff.

Courses for Graduates

210. BACTERIAL PHYSIOLOGY (6). Prerequisite, Bacteriology 51, Chemistry 31, 42, 61, 62, and preferably Biochemistry 102 or 103.
Two lecture, one conference, and six laboratory hours a week, winter semester. Laboratory fee, $6.00. Mr. Straughn.

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† See footnote under Department of Anatomy for times when courses 101, 104, 110 are to be given.

* For the S.B. in Bacteriology these are required: Bacteriology 51, 101, 104, 107, 110, 115. Six courses in other natural sciences and six courses in departments outside the Division of Natural Sciences are also required. For such a planned program see page 137.

** Before registering for this course the academic student must secure the permission of his Dean.

220. FILTERABLE VIRUSES (6). Prerequisite, Bacteriology 101 and 104.
Two lecture, one conference and six laboratory hours a week, spring semester. Laboratory fee, $12.00. Mr. ————————.

301, 302, 303. RESEARCH IN BACTERIOLOGY, IMMUNOLOGY, AND VIRUSES. (5 or more each semester). Prerequisite, permission of the department.
Hours and credits to be arranged any semester. Laboratory fee, $10.00 a semester. Staff.

BIBLICAL HISTORY AND LITERATURE

Professors: J. P. HARLAND, A. C. HOWELL
P. H. EPPS, Chairman

Courses for Undergraduates

85. ARCHAEOLOGY AND THE BIBLE (3).
Three hours a week, winter semester. (See Classics 85.) Mr. Harland.

86. BIBLICAL HISTORY FROM 536 B. C. to 400 A. D. (3).
Three hours a week, spring semester. (See Classics 86.) Mr. Epps.

87a. LITERARY ASPECTS OF THE BIBLE: OLD TESTAMENT (2).
Two hours a week, winter semester. (See English 87a.) Mr. Howell.

87b. LITERARY ASPECTS OF THE BIBLE: NEW TESTAMENT (2).
Two hours a week, spring semester. (See English 87b.) Mr. Howell.

88. GREEK NEW TESTAMENT (3). Prerequisite, Greek 21 or equivalent.
Three hours a week, spring semester. (See Classics 88.) Mr. Epps.

Courses for Graduates and Advanced Undergraduates

158. GREEK NEW TESTAMENT (3). Prerequisite, Greek 21-22 or equivalent.
Three hours a week, spring semester. (See Classics 158.) Mr. Epps.

DEPARTMENT OF BIOLOGICAL CHEMISTRY AND NUTRITION

Professor: J. C. ANDREWS
Associate Professor: G. C. KYKER
Assistant: J. C. TROTT
Fels Research Assistants: MILDRED M. MCEWEN, WILLIAM EUGENE CORNATZER, STELLA ALOGDELIS, HULDA JUSTINE WOHLTMANN

Courses for Undergraduates

41. ELEMENTARY FOOD AND NUTRITION (2). *Elective.
Two hours a week, spring semester. Mr. Andrews.

Courses for Graduates and Advanced Undergraduates

101. CHEMISTRY OF FOODS (4). Prerequisite, Chemistry 42 and 61. *Elective.
Two lecture and four laboratory hours a week, spring semester. Laboratory fee, $10.00. Mr. Kyker; Assistant.

102-103. GENERAL BIOLOGICAL CHEMISTRY (8). Prerequisite, Chemistry 42, 61, and 62. *Elective.

102: *Three lecture and eight laboratory hours a week, winter semester;* 103: *two lecture and four laboratory hours a week, spring semester. Laboratory fee, $10.00 each semester.* Messrs. Andrews, Kyker, and Assistant.

Courses for Graduates

201, 202. ADVANCED BIOLOGICAL CHEMISTRY (4 each). Prerequisite, Biological Chemistry 102-103 or equivalent.
Equivalent of four hours a week, winter and spring semesters. Laboratory fee, $10.00 each semester. Messrs. Andrews, Kyker.

211, 212. SEMINAR (1 each). Prerequisite, Biological Chemistry 102-103 or equivalent and a reading knowledge of German.
One hour a week, winter and spring semesters. Messrs. Andrews, Kyker.

301, 302. RESEARCH IN BIOLOGICAL CHEMISTRY (6 each). Prerequisite, Biological Chemistry 201 or equivalent.
Equivalent of six hours a week, winter and spring semesters. Laboratory fee, $10.00 each semester. Messrs. Andrews, Kyker.

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* Before registering for this course the academic student must secure the permission of his Dean.

‡ The student should register for 102 and 103 at the regular semester registration but the actual date of starting the course is delayed until the schedule of the corresponding quarter in the School of Medicine begins. Reference to the catalogue of the School of Medicine explains the apparent disagreement in the statement of hours a week and the semester credit hours.

*DEPARTMENT OF BOTANY

Professors: J. N. COUCH, W. C. COKER, **H. R. TOTTEN
Associate Professor: J. E. ADAMS
Assistant Professor: E. H. NEWCOMER
Instructor: P. H. W. WEBB
Research Assistant: ALMA HOLLAND BEERS
Part-Time Curator: MARGARET JONES
Teaching Fellow: JOSEPHINE STEWART
Assistant: HELEN MOORE PARKER

Courses for Undergraduates

1. BOTANY (4). Freshman elective. This with Zoology I. completes the freshman requirement for biology in the General College.
The structure and functions of plants, their evolution, and a survey of fundamental biological facts and principles illustrated by plants and the relationship of these to man.
Three lecture and two laboratory hours a week, winter or spring semester. Laboratory fee, $2.00. Mr. Newcomer; Assistants.

41. GENERAL BOTANY (Includes Biology 1. for V-12 students) (5).
Section 1. *Three lecture and four laboratory hours a week, winter or spring semester. Laboratory fee, $4.00.* Messrs. Couch, Webb; Assistants.
Section 2 (4). For Pharmacy students only. *Two lecture and four laboratory hours a week, winter semester. Laboratory fee, $4.00.* Mr. Adams; Assistant.

42. PHARMACEUTICAL BOTANY AND MICROSCOPICAL PHARMACOGNOSY (3).
One lecture and four laboratory hours a week, winter semester. Laboratory fee, $4.00. Mr. Adams; Assistants.

43. SEED PLANTS (4). Prerequisite, General Botany.
Two lecture and four laboratory or field work hours a week, spring semester. Laboratory fee, $4.00. Mr. Adams; Assistant.
(This course is given in the second term of the summer semester as Botany s43.)

Note: Courses in Directed Teaching of High School Science and in Materials and Methods of Teaching High School Science will be found under the Department of Education.

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* For the A.B. with major in Botany, six courses of the level of 41 or higher are required. One course in Bacteriology and one in Zoology, may, with consent of the Department be considered as part of the major. There are also required six courses in allied sciences, which shall include two 3- or 4-hour semester courses in each of the following sciences, unless the equivalent has been taken in the General College (it is assumed that at least two such courses would have been taken): Zoology, Chemistry, Physics, Geology. Six courses in Departments outside the Division of the Natural Sciences are required.
Those students who plan to teach in public high schools should read the footnote at the bottom of page 190.
** Absent on leave in military service.

Courses for Graduates and Advanced Undergraduates

(Prerequisite to all the courses, except where otherwise noted, Botany 41, 43, or their equivalent.)

102. FUNGI (4).
Two lecture and six laboratory hours a week, winter semester. Laboratory fee, $4.00. Mr. Couch. Not offered in 1944-1945.

103. ALGAE (4).
Two lecture and six laboratory hours a week, spring semester. Laboratory fee, $4.00. Mr. Couch.

104. BRYOPHYTES (4).
Two lecture and six laboratory hours a week, spring semester. Laboratory fee, $4.00. Mr. Couch. Not offered in 1944-1945.

111, 112, 113. FUNGI (4 each semester).
Two lecture or report and six laboratory or field trip hours a week. Laboratory fee, $4.00, each semester. Mr. Couch.

141. FERNS (5).
Two lecture or report and six laboratory or field work hours a week, winter semester. Laboratory fee, $4.00. Mr. Coker; Mrs. Beers. Not offered 1944-1945.

142. ADVANCED PHARMACOGNOSY (4). Prerequisite, General Botany 41 and Botany 42. Credit in the college is restricted in the same manner as credit for Botany 42.
One lecture and six laboratory hours a week, spring semester. Laboratory fee, $4.00. Mr. Adams.

151, 153. ADVANCED WORK IN THE STRUCTURE AND CLASSIFICATION OF SEED PLANTS (4 each semester).
Two conferences a week with the instructor, summer and spring semesters, and equivalent hours in the second term of the summer semester. Laboratory fee, $4.00. Mr. Adams.
(This course is given for 6 quarter hours of credit in the second term of the summer semester as Botany s154.)

155. DENDROLOGY (4).
Equivalent of ten or fifteen lecture or report and laboratory or field work hours a week, summer semester. Laboratory fee, $4.00. Mr. Newcomer.

156. PLANT GEOGRAPHY (3). Prerequisite, consult the Instructor.
Three lecture or report hours a week, winter semester. Mr. Adams.

157. PLANT ANATOMY (5).
Two lecture or report and six laboratory hours a week, winter semester. Laboratory fee, $4.00. Mr. Adams.

162. STUDIES IN THE HISTORY OF BOTANY (3).
Three hours a week, spring semester. Mr. Coker; Mrs. Beers.

166. CYTOLOGY (4).
The morphology and physiology of protoplasm and the cell in relation to metabolism, ontogenetic differentation, heredity, and evolution.
Three lecture and two laboratory hours a week, winter semester. Laboratory fee, $4.00. Mr. Newcomer.

176. CYTOGENETICS (6).
Three lecture or report and six laboratory or field work hours a week, spring semester. Laboratory fee, $4.00. Mr. Newcomer.

Courses for Graduates

211, 212, 213. PROBLEMS IN FUNGI (5 each semester). Prerequisite, consult the Department.
Winter, spring, and summer semesters. Laboratory fee, $4.00 each semester. Mr. Couch.

251, 252, 253. MORPHOLOGY OF SEED PLANTS (5 or 2½ each semester). Prerequisite, Plant Anatomy.
Winter, spring, and summer semesters. Laboratory fee, $4.00 each semester. Mr. Adams.

301, 302, 303. GRADUATE RESEARCH (5 or 2½ each semester).
Laboratory fee, $4.00 a semester. Messrs. Coker, Couch, Adams, Newcomer.

*DEPARTMENT OF CHEMISTRY

Professors: R. W. BOST, F. K. CAMERON, J. T. DOBBINS, **H. D. CROCKFORD, E. C. MARKHAM, ALFRED RUSSELL, O. K. RICE.
Associate Professors: F. H. EDMISTER, S. E. SMITH, **J. W. WILLIAMS, ***ARTHUR ROE.
Assistant Professor: S. B. KNIGHT.
Instructors: J. H. DAVIS, F. B. JOYNER, O. D. SHREVE.
Teaching Fellows: R. A. HINES, KATHERINE KING, DOROTHY ROESEL.
Part-Time Instructors: D. C. ANDERSON, J. H. ANDERSON, H. D. HANNAN, J. C. LEHR, HELEN STYLES, CLAUS VICTORIUS.

Courses for Undergraduates

1-2. (1-2-3.) GENERAL DESCRIPTIVE CHEMISTRY (5 each). *Three lecture and four laboratory hours a week, winter and spring semesters. Laboratory fee, $4.50 a semester.* Messrs. Markham, Smith, Knight; Assistants.

31. QUALITATIVE ANALYSIS (4). Prerequisite, Chemistry 1-2 or equivalent.
Two lecture and four laboratory hours a week, winter semester. Laboratory fee, $10.00. Messrs. Dobbins, Markham, Knight; Assistants.

41. ELEMENTARY QUANTITATIVE ANALYSIS: GRAVIMETRIC (4). Prerequisite, Chemistry 31.
Two lecture and four laboratory hours a week, spring semester. Laboratory fee, $10.00. Messrs. Dobbins, Knight; Assistants.

42. ELEMENTARY QUANTITATIVE ANALYSIS: VOLUMETRIC (4). Prerequisite, Chemistry 31.
Two lecture and four laboratory hours a week, spring semester. Laboratory fee, $10.00. Messrs. Dobbins, Markham, Knight; Assistants.

61, 62. (61, 62, 63.) ORGANIC CHEMISTRY (6 each). Prerequisite, Chemistry 31.
Three lecture and six laboratory hours a week, winter and spring semesters. Laboratory fee, $15.00 a semester. Messrs. Bost, Russell, Williams, Roe.

83. PHYSICAL CHEMISTRY FOR PREMEDICAL STUDENTS (4). Prerequisite, Chemistry 31, 42, Math 7, 8, and one year of college physics. Does not carry credit toward S.B. in Chemistry.
Designed for A.B. students or students taking premedical, pharmaceutical, or biological work. *Three lecture and three laboratory hours a week, spring semester. Laboratory fee, $3.00.* Messrs. Crockford, Rice, Smith.

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* For the A.B. with major in Chemistry (primarily for students preparing for medicine) these are required: Chemistry 31, 41, 42, 61, 62. Six courses in other natural sciences and six courses in departments outside the Division of the Natural Sciences are required also.
For the S.B. in Chemistry see page 137.
Those students who plan to teach in public high schools should read the footnote at the bottom of page 190.
** Absent on leave in service.
*** Acting Associate Professor.

Chemistry Courses Offered for V-12 Students

C1. GENERAL INORGANIC CHEMISTRY.
Three lecture-recitation periods and one laboratory period a week. Messrs. Smith, Knight.

C2. GENERAL INORGANIC CHEMISTRY AND INTRODUCTION TO QUALITATIVE ANALYSIS. Prerequisite, Chemistry C1.
Two lecture-recitation periods and two laboratory periods a week. Mr. Knight.

C3. QUANTITATIVE ANALYSIS. Prerequisite, Chemistry C2.
Two lecture-recitation periods and two laboratory periods a week. Messrs. Knight, Smith. (Students needing Chemistry C3 may substitute Chemistry 42.)

C4. ORGANIC CHEMISTRY I. Prerequisite, Chemistry C2.
Two lecture-recitation periods and two laboratory periods a week.

C5. ORGANIC CHEMISTRY II. Prerequisite, Chemistry C4.
Two lecture-recitation periods and two laboratory periods a week. Mr. Roe (Students needing Chemistry C4 may substitute Chemistry 61.)

NOTE: Courses in Directed Teaching of High School Science and in Materials and Methods of Teaching High School Science will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

101. SPECIAL PROBLEMS IN CHEMISTRY (1 to 3). Prerequisite, to be determined by consultation.
Equivalent of one to three hours a week, every semester. Laboratory fee, to be determined by consultation with adviser or head of the Department. Any member of the departmental staff.

143. THEORETICAL ANALYTICAL CHEMISTRY (4). Prerequisite, Chemistry 31, 41, 42.
Four hours a week, spring semester. Mr. Dobbins.

145. INSTRUMENTAL ANALYSIS. ELECTRICAL METHODS (3). Prerequisite, Chemistry 41, 42.
One lecture and four laboratory hours a week, winter semester. Laboratory fee, $10.00. Mr. Markham.

146. INSTRUMENTAL ANALYSIS. OPTICAL METHODS (3). Prerequisite, Chemistry 41, 42.
One lecture and four laboratory hours a week, spring semester. Laboratory fee, $10.00. Mr. Markham.

147. QUANTITATIVE ORGANIC MICROANALYSIS (2). Prerequisite, Chemistry 41, 42, 62.
Four laboratory hours a week, spring semester. Laboratory fee, $10.00. Mr. Markham.

148. INORGANIC MICROANALYSIS (2). Prerequisite, Chemistry 41, 42.
Four laboratory hours a week, winter semester. Laboratory fee, $10.00. Mr. Markham.

151, 152. (151, 152, 153.) ADVANCED INORGANIC CHEMISTRY (3 each). Prerequisite, Chemistry 31, 42.
Three hours a week, winter and spring semesters. Mr. Edmister.

163. QUALITATIVE ORGANIC ANALYSIS (4). Prerequisite, Chemistry 61, 62.
Two lecture and four laboratory hours a week, winter semester. Laboratory fee, $10.00. Mr. Bost.

164. QUANTITATIVE ANALYSIS OF FUNCTIONAL GROUPS (2). Prerequisite, Chemistry 163.
Four laboratory hours a week, spring semester. Laboratory fee, $10.00. Messrs. Bost, Russell, Williams, Roe.

165. ORGANIC COMBUSTIONS (2). Prerequisite, Chemistry 163.
Four laboratory hours a week, spring semester. Laboratory fee, $10.00. Messrs. Bost, Russell, Williams, Roe.

166a, 167a. (166a, 167a, 168a.) ADVANCED ORGANIC CHEMISTRY I (3 each). Prerequisite, or corequisite, Chemistry 163.
(1945-1946 and alternate years.) *Three hours a week, winter and spring semesters.* Messrs. Bost, Russell.

166b, 167b. (166b, 167b, 168b.) ADVANCED ORGANIC CHEMISTRY II (3 each). Prerequisite, or corequisite, Chemistry 163.
(1945-1946 and alternate years.) *Three hours a week, winter and spring semesters.* Messrs. Bost, Williams, Roe.

166c, 167c. (166c, 167c, 168c.) ADVANCED ORGANIC PREPARATIONS (2 each). Prerequisite, or corequisite, Chemistry 163.
Four laboratory hours a week, winter and spring semesters. Laboratory fee, $10.00 a semester. Messrs. Bost, Russell, Williams, Roe.

181, 182. (181, 182, 183.) PHYSICAL CHEMISTRY (6 each). Prerequisite, Chemistry 31, 41, 42, 61, 62, and satisfactory work in physics and in integral and differential calculus.
Three lecture and six laboratory hours a week, winter and spring semesters. Laboratory fee, $10.00 a semester. Messrs. Crockford, Rice, Smith.

184, 185. (184, 185, 186.) CHEMICAL THERMODYNAMICS (3 each). Prerequisite, Chemistry 181, 182.
(1944-1945 and alternate years.) *Three hours a week, winter and spring semesters.* Messrs. Crockford, Rice.

191, 192. (191, 192, 193). INDUSTRIAL CHEMISTRY (3 each). Prerequisite, Chemistry 61, 62.
Three hours a week, winter and spring semesters. Mr. Cameron.

Courses for Graduates

231. DETECTION OF POISONS (4). Prerequisite, Chemistry 31, 42, 61, 62.
(1945-1946 and alternate years.) *Two lecture and four laboratory hours a week, spring semester. Laboratory fee, $10.00.* Mr. Dobbins.

241, 242. (241, 242, 243.) SEMINAR IN ANALYTICAL CHEMISTRY (3 each). Prerequisite, or corequisite, Chemistry 143.
(1944-1945 and alternate years.) *Three hours a week, winter and spring semesters.* Mr. Dobbins.

244, 245. (244, 245, 246.) SPECIAL TOPICS IN ANALYTICAL CHEMISTRY (3 each). Prerequisite, Chemistry 143, 182.
(1945-1946 and alternate years.) *Three hours a week, winter and spring semesters.* Mr. Markham.

251. SEMINAR IN INORGANIC CHEMISTRY (3). Prerequisite, Chemistry 151. *Three hours a week, winter semester.* Messrs. Cameron, Edmister.

258. (258, 259.) HISTORY OF CHEMISTRY (3). Prerequisite, Chemistry 31, 61, 62. *Three hours a week, spring semester.* Mr. Edmister.

261, 262. (261, 262, 263.) SYNTHETIC ORGANIC COMPOUNDS (3 each). Prerequisite, Chemistry 166a, 167a, or Chemistry 166b, 167b.
(1944-1945 and alternate years.) *Three hours, or equivalent, a week, winter and spring semesters.* Messrs. Bost, Williams, Roe.

264, 265. (264, 265, 266.) NATURAL PLANT PRODUCTS (3 each). Prerequisite, Chemistry 166a, 166b, 167a.
(1945-1946 and alternate years.) *Three hours, or equivalent, a week, winter and spring semesters.* Mr. Russell.

267. ORGANIC CHEMISTRY (3 to 6). Prerequisite to be determined by consultation with professor in charge.
Three to six hours a week, every semester. Laboratory fee, to be determined by consultation with professor in charge. Messrs. Bost, Russell, Williams, Roe.

271. PHYSICAL CHEMISTRY OF THE HIGH POLYMERS (2). Prerequisite, Chemistry 62 and 182.
Two hours a week, winter semester. Mr. Smith.

281. ATOMIC AND MOLECULAR CHEMISTRY (2). Prerequisite, Chemistry 181, 182.
Two hours a week, winter semester. Mr. Rice.

282. (282, 283.) CHEMICAL BINDING AND VALENCE (4). Prerequisite, Chemistry 281.
(1944-1945 and alternate years). *Four hours a week, spring semester.* Mr. Rice.

284. (284, 285.) STATISTICAL PROBLEMS IN CHEMISTRY (4). Prerequisite, Chemistry 281.
(1945-1946 and alternate years.) *Four hours a week, spring semester.* Mr. Rice.

286. SEMINAR IN PHYSICAL CHEMISTRY (3). Prerequisite, Chemistry 181, 182.
Three hours a week, any semester. Messrs. Crockford, Rice.

287, 288. (287, 288, 289.) HETEROGENEOUS EQUILIBRIA, PHASE RULE, FILM AND COLLOIDAL PHENOMENA (3 each).
Three hours a week, winter and spring semesters. Mr. Cameron.

RESEARCH COURSES
Laboratory fee, $10.00 a course.

341. ANALYTICAL CHEMISTRY (6).
Messrs. Dobbins, Markham, Knight.

351. INORGANIC CHEMISTRY (6).
Mr. Edmister.

361. ORGANIC CHEMISTRY (6).
Messrs. Bost, Russell, Williams, Roe.

381. PHYSICAL CHEMISTRY (6).
Messrs. Cameron, Crockford, Rice, Smith.

391. INDUSTRIAL CHEMISTRY (6).
Mr. Cameron.

*DEPARTMENT OF CLASSICS

Professors: B. L. ULLMAN, J. P. HARLAND, P. H. EPPS
Instructors: **A. I. SUSKIN, T. M. SIMKINS, JR.
Teaching Fellow: CORINNE GREEN

GREEK

Courses for Undergraduates

***1-2. ELEMENTARY AND INTERMEDIATE GREEK (†6).
Six hours a week, winter and spring semesters. Mr. Epps.

NOTE: Attention is called to Greek 14-15, designed for upperclassmen who have fulfilled the requirement in another foreign language.

***11-12. INTERMEDIATE GREEK (6).
Freshman and sophomore elective. *Three hours a week, winter and spring semesters.* Mr. Epps.

14-15. SPECIAL COURSE FOR ADVANCED STUDENTS (6).
A course for beginners. *Three hours a week, winter and spring semesters.* Mr. Epps.

21-22. ADVANCED GREEK (6). Prerequisite, Greek 1-2 or 11-12 or equivalent.
Three hours a week, winter and spring semesters. Mr. Epps.

NOTE: Students so desiring may substitute Greek 88 for Greek 22.

71. GREEK HISTORIANS (3). Prerequisite, Greek 21-22 or equivalent.
Three hours a week, one semester, on application. Mr. Harland.

80. HOMER (3). Prerequisite, Greek 21-22 or equivalent.
Three hours a week, spring semester. Mr. Epps.

82. PLATO (3). Prerequisite, Greek 21-22 or equivalent.
Three hours a week, winter semester. Mr. Epps.

88. GREEK NEW TESTAMENT (3). Prerequisite, Greek 21 or equivalent.
Three hours a week, spring semester. Mr. Epps.

Courses for Graduates and Advanced Undergraduates

112. HOMER (3). Prerequisite, Greek 21-22 or equivalent.
Three hours a week, winter semester. Mr. Epps.

153. GREEK TRAGEDY (3). Prerequisite, Greek 21-22 or equivalent.
Three hours a week, winter semester. Mr. Epps.

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* Students interested in having their major in Greek or Latin should consult the Department in the last semester of their sophomore year.

Those students who plan to teach Latin in high schools should read the footnote at the bottom of page 190.

** Absent on leave in military service.

*** Two semesters of Greek or Latin or Mathematics 7-8 or the equivalent must be taken by each candidate for the degree of A.B.

† The elementary portion of 1-2 carries no credit towards a degree, but the tuition charge is for *six hours* a week—the actual time devoted to instruction.

154. GREEK COMEDY (3). Prerequisite, Greek 21-22 or equivalent.
Three hours a week, spring semester. Mr. Epps.

158. GREEK NEW TESTAMENT (3). Prerequisite, Greek 21-22 or equivalent.
Three hours a week, spring semester. Mr. Epps.

171. GREEK HISTORIANS (3). Prerequisite, Greek 71.
Three hours a week, one semester, on application. Mr. Harland.

181. THE GREEK ORATORS (3). Prerequisite, Greek 21-22 or equivalent.
Three hours a week, winter semester. Mr. Epps.

Courses for Graduates

213. HELLENIC LITERATURE AND ITS HISTORICAL SETTING (3).
Three hours a week, one semester, on application. Mr. Harland.

301-302. GREEK SEMINAR (6).
Three hours a week, on application. Messrs. Harland, Epps.

(For additional courses see below under Courses Requiring No Knowledge of the Greek or Latin Language and under Comparative Literature. Attention is called also to courses in the Department of Comparative Linguistics.)

*LATIN

Courses for Undergraduates

**1-2. ELEMENTARY AND INTERMEDIATE LATIN (†6).
Six hours a week winter and spring semesters. Mr. Simkins, Miss Green.

NOTE: Attention is called to Latin 14-15, designed for upperclassmen who have fulfilled the requirement in another foreign language.

**11-12. INTERMEDIATE LATIN (6).
Freshman and sophomore elective. *Three hours a week winter and spring semesters.* Mr. Simkins.

14-15. SPECIAL COURSE FOR ADVANCED STUDENTS (6).
A course for beginners. *Three hours a week, winter and spring semesters.* Mr. Simkins.

21-22. ADVANCED LATIN (6). Prerequisite, three or four units of high school Latin, or Latin 11-12.
Freshman and sophomore elective. *Three hours a week, winter and spring semesters.* Mr. Simkins.

51. ROMAN SATIRE (3). Prerequisite, Latin 21-22.
Three hours a week, winter semester, Mr.————.

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* See notes on the major and teacher training under Department of Classics.
** Two semesters of Greek or Latin or Mathematics 7-8 or the equivalent must be taken by each candidate for the degree of A.B.
† The elementary portion of 1-2 carries no credit towards a degree, but the tuition charge is for *six hours* a week—the actual time devoted to instruction.

52. CICERO'S LETTERS (3). Prerequisite, Latin 21-22.
Three hours a week, winter semester. Mr. ————

53. LATIN LYRIC POETRY (3). Prerequisite, Latin 21-22.
Three hours a week, spring semester. Mr.————.

71. COURSE FOR TEACHERS (3). Prerequisite, Latin 21-22.
Three hours a week, on application. Mr.————.

NOTE: Courses in Directed Teaching of High School Latin and in materials and Methods of Teaching High School Latin will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

101. ROMAN HISTORICAL LITERATURE (3). Prerequisite, Latin 21-22.
Three hours a week, winter semester. Mr.————.

102. ROMAN DRAMATIC LITERATURE (3). Prerequisite Latin 21-22.
Three hours a week, winter semester. Mr.————.

103. PROSE WRITINGS OF THE REPUBLIC (3). Prerequisite, Latin 21-22.
Three hours a week, spring semester. Mr. ————.

104. CICERO: POLITICAL CAREER AND WORKS (3). Prerequisite, Latin 21-22.
Three hours a week, winter semester. Mr. Ullman.

105. THE SATIRES OF JUVENAL (3). Prerequisite, Latin 21-22.
Three hours a week, one semester, on application. Mr. ————.

106. LUCRETIUS (3). Prerequisite, Latin 21-22.
Three hours a week, one semester, on application. Mr. ————.

109. CICERO: PHILOSOPHICAL WORKS (3). Prerequisite, Latin 21-22.
Three hours a week, one semester. Mr. Ullman.

110. MEDIEVAL LATIN (3). Prerequisite, Latin 21-22 or the equivalent, as a minimum.
Three hours a week, one semester, on application. Mr. ————.

117. VIRGIL (3). Prerequisite, Latin 21-22.
Three hours a week, spring semester. Mr. Ullman.

Courses for Graduates

202. LATIN EPIGRAPHY (3).
Three hours a week, spring semester. Mr. Ullman.

203. LATIN PALEOGRAPHY (3).
Three hours a week, one semester, on application. Mr. Ullman.

301, 302. LATIN SEMINARS (3 each).
Three hours a week, winter and spring semesters. Messrs. Ullman, ————.

310. THESIS COURSE (3).
Any semester. Mr. Ullman.

Courses Requiring No Knowledge of the Greek or Latin Language

The following courses in classical literature and civilization are especially designed to supply the necessary foundation for those who, without a reading knowledge of the ancient languages, wish a broader culture, or plan to specialize in modern literature, history, art, etc. When properly approved, they will be allowed to count as part of the major requirement in other departments. They may be taken also to satisfy the requirements of a minor in literature. See also under Comparative Literature.

Courses for Undergraduates

61. GREEK LITERATURE (3).
Three hours a week, one semester. Mr. Epps.

62. LATIN LITERATURE (3).
Three hours a week, one semester. Mr. ————.

75. GREEK CIVILIZATION (3).
Three hours a week, one semester. Mr. Harland.

76. ROMAN CIVILIZATION (3).
Three hours a week, one semester. Mr. ————.

85. ARCHAEOLOGY AND THE BIBLE (3).
Three hours a week, winter semester. Mr. Harland.

86. BIBLICAL HISTORY FROM 536 B. C. to 400 A. D. (3).
Three hours a week, spring semester. Mr. Epps.

91. ARCHAEOLOGY OF THE NEAR EAST (3).
Three hours a week, winter semester. Mr. Harland.

92. GREEK ARCHAEOLOGY (3).
Three hours a week, winter semester. Mr. Harland.

93. GREEK SCULPTURE (3).
Three hours a week, spring semester. Mr. Harland.

95. ANCIENT ARCHITECTURE (3).
Three hours a week, one semester, on application. Mr. Harland.

Courses for Graduates and Advanced Undergraduates

103. GREEK AND ROMAN EPIC (3).
Three hours a week, one semester. Messrs. Epps, ————.

107. GREEK DRAMATIC LITERATURE (3).
Three hours a week, one semester. Mr. Epps.

114. GREEK AND ROMAN COMEDY (3).
Three hours a week, one semester. Messrs. Epps, ————.

193. HELLENIC ART (3). Prerequisite, Archaeology 92 or 93, or Greek 75, or Greek History.
Three hours a week, one semester, on application. Mr. Harland.

195. THE AEGEAN CIVILIZATION (3). Prerequisite, Archaeology 91, or Ancient History.
Three hours a week, one semester, on application. Mr. Harland.

Courses for Graduates

211. ARCHAEOLOGY: TOPOGRAPHY OF ATHENS, OLYMPIA, AND DELPHI (3). Prerequisite, ability to read Greek desirable.
Three hours a week, one semester, on application. Mr. Harland.

291. ARCHAEOLOGY OF THE ANCIENT NEAR EAST (3). Prerequisite, Archaeology 91, or courses in Ancient History of the Near East.
Three hours a week, one semester, on application. Mr. Harland.

292. HELLENIC ARCHITECTURE (3). Prerequisite, Archaelogy 91 or 92 or 93, or Ancient History.
Three hours a week, one semester, on application. Mr. Harland.

293. HELLENIC SCULPTURE (3). Prerequisite, Archaeology 92 or 93, or Greek 75, or Ancient History.
Three hours a week, one semester, on application, Mr. Harland.

296. GREEK EPIGRAPHY (3). Prerequisite, a reading knowledge of Greek.
Three hours a week, one semester, on application. Mr. Harland.

298. ROMAN ARCHAEOLOGY (3). Prerequisite, Archaeology 91, 92, 93.
Three hours a week, one semester, on request. Mr. Harland.

DEPARTMENT OF COMPARATIVE LINGUISTICS

DEAN W. W. PIERSON, *Chairman*

Professors: E. E. ERICSON, U. T. HOLMES, R. S. BOGGS, G. S. LANE, (Secretary)

General

101. INTRODUCTION TO THE STUDY OF LANGUAGE (3). Prerequisite, a reading knowledge of one classical and one modern language.
Three hours a week, spring semester. Mr. Lane.

103. THE INDO-EUROPEANS (3).
Three hours a week, one semester, on demand. Mr. Lane.

105. CELTIC: OLD IRISH (3). See under Romance Languages (French).
Three hours a week, winter semester. Mr. Holmes.

106. CELTIC: WELSH (3).
Three hours a week, one semester, on demand. Mr. Holmes.

111, 112. SANSKRIT (3 each).
Three hours a week, winter and spring semesters. Mr. Lane.

201, 202. ADVANCED SANSKRIT (3 each).
Three hours a week, winter and spring semesters, on demand. Mr. Lane.

204. COMPARATIVE GRAMMAR OF GREEK AND LATIN (3).
Three hours a week, one semester, on demand. Mr. Lane.

206. LITHUANIAN (3).
Three hours a week, one semester, on demand. Mr. Lane.

207. CHURCH SLAVIC (3).
Three hours a week, one semester, on demand. Mr. Lane.

361, 362. SEMINAR IN LINGUISTICS (3 each).
Three hours a week, winter and spring semesters, on demand. Members of the staff.

English Linguistics

95. THE MODERN ENGLISH LANGUAGE (3). See under English.
Three hours a week, spring semester. Mr. Ericson.

101. OLD ENGLISH GRAMMAR AND READINGS (3).
Three hours a week, winter semester. Mr. Ericson.

201. STUDIES IN OLD ENGLISH LITERATURE: BEOWULF (3). Prerequisite, English 101.
Three hours a week, spring semester. Mr. Ericson.

202. MIDDLE ENGLISH (3).
Three hours a week, spring semester. Mr. Coffman (of the Department of English).

204. HISTORY OF THE ENGLISH LANGUAGE (3). Prerequisite, 101, 202.
Three hours a week, spring semester. Mr. Ericson.

Germanic Linguistics

161. HISTORY OF THE GERMAN LANGUAGE (3). See under Germanic Languages.
Three hours a week, winter semester. Mr. Lane.

221. GOTHIC (3). See under Germanic Languages.
Three hours a week, winter semester. Mr. Lane.

222. OLD HIGH GERMAN (3). See under Germanic Languages.
Three hours a week, spring semester. Mr. Lane.

223. COMPARATIVE GERMANIC GRAMMAR (3). See under Germanic Languages.
Three hours a week, spring semester. Mr. Lane.

232. OLD SAXON (3). See under Germanic Languages.
Three hours a week, winter semester. Mr. Lane.

233, 234. OLD NORSE (3 each). See under Germanic Languages.
Three hours a week, winter and spring semesters. Mr. Lane.

235-236—MIDDLE HIGH GERMAN (3 each). See under Germanic Languages.
Three hours a week, winter and spring semesters. Mr. Jente (of the Department of German).

Romance Linguistics

126. HISTORY OF THE FRENCH LANGUAGE (3). Prerequisite French 72.
Three hours a week, winter semester. Mr. Holmes.

220. VULGAR LATIN (3).
(1945-1946 and alternate years). *Three hours a week, winter semester.* Mr. Holmes.

221-222. OLD FRENCH (3 each).
Three hours a week, winter and spring semesters. Mr. Holmes.

225. PROVENCAL (3).
(1945-1946 and alternate years). *Three hours a week, spring semester.* Mr. Holmes.

221. OLD ITALIAN (3).
Three hours a week spring semester. Mr. Holmes.

221-222. OLD SPANISH (3 each).
Three hours a week winter and spring semesters. Mr. Boggs.

*DEPARTMENT OF COMPARATIVE LITERATURE

Professors: H. R. HUSE (Acting Chairman), H. CRAIG, U. T. HOLMES, JR., A. C. HOWELL, †R. P. BOND, †S. A. STOUDEMIRE, †W. L. WILEY, P. H. EPPS, R. S. BOGGS.
Associate Professor: W. P. FRIEDERICH
Assistant Professor: R. D. HUME

LITERATURE IN ENGLISH TRANSLATION

Courses for Undergraduates

61. GREEK LITERATURE (3).
Three hours a week, winter semester. Mr. Epps.

62. LATIN LITERATURE (3).
Three hours a week, spring semester. Mr. ————.

65. ORIENTAL LITERATURE (3).
Three hours a week, spring semester. Mr. Holmes.

87. LITERARY ASPECTS OF THE BIBLE (3).
See Biblical History and Literature 87.

Courses for Graduates and Advanced Undergraduates

117. CERVANTES (3).
Three hours a week, spring semester. Mr. Stoudemire.

135. FRENCH CLASSICISM (3).
Three hours a week, spring semester. Mr. Wiley.

137. SURVEY OF GERMAN LITERATURE (3).
Three hours a week, winter semester. Mr. Friederich.

155. GOETHE (3).
Three hours a week, spring semester. Mr. Friederich.

156. DANTE (3).
Three hours a week, spring semester. Mr. Huse.

103. GREEK AND ROMAN EPIC (3).
Three hours a week, winter semester. Mr. Epps.

107. GREEK DRAMATIC LITERATURE (3).
Three hours a week, winter semester. Mr. Epps.

162. MODERN DRAMA (3).
(1945-1946 and alternate years). *Three hours a week, winter semester.* Mr. Hume.

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* An undergraduate major in the department consists normally of six to eight courses, two of which must be in the classics. Students are encouraged to substitute courses in the original languages whenever possible. The following are recommended particularly: Greek 71, 80, 82, 181; Latin 51, 53, 101, 104, 106; English 50, 70, 84, 99, 125; French 71, 72, 109, 115, 161, 181, 191; Spanish 71, 72, 110, 115, 116, 131, 132; German 109, 111, 115, 131, 141, 151; Italian 131, 132, 161.

† Absent on leave in service.

163. LITERARY CRITICISM (3).
Three hours a week, spring semester. Mr. Bond.

170. THE MIDDLE AGES (3).
(1945-1946 and alternate years). *Three hours a week, winter semester.* Mr. Holmes.

173. MEDIEVAL ROMANCE (3).
Three hours a week, winter semester. Mr. Craig.

175. RENAISSANCE AND BAROQUE (3).
Three hours a week, winter semester. Mr. Friederich.

177. CLASSICISM AND PRE-ROMANTICISM (3).
Three hours a week, spring semester. Mr. Friederich.

185. INTRODUCTION TO FOLKLORE (3).
Three hours a week, winter semester. Mr. Boggs.

Courses for Graduates

201. PROBLEMS AND METHODS IN COMPARATIVE LITERATURE (3).
Three hours a week, winter semester. Mr. Friederich.

395. RESEARCH (with thesis 3).
Messrs. Huse and Friederich.

*DEPARTMENT OF DRAMATIC ART

Professors: †F. H. KOCH, PAUL GREEN, G. R. COFFMAN
Associate Professors: ‡SAMUEL SELDEN, R. B. SHARPE
Assistant Professors: **H. E. DAVIS, **JOHN W. PARKER, **EARL WYNN, ROBERT BURROWS, DOUGLAS HUME
Visiting Lecturer: KAI HEIBERG-JURGENSEN
Instructors: **ROBERT LYNN GAULT, FOSTER FITZ-SIMONS, LUCILE CULBERT, IRENE SMART.
Assistants: ANNE OSTERHOUT, CARRINGTON CROSS, SHIRLEY PIC, ELIZABETH STONEY, ELIZABETH LAROCHE TAYLOR

Admission to the Department of Dramatic Art presupposes the completion of the work of the General College in this institution or of equivalent work done elsewhere.

The courses in the Department of Dramatic Art are designed to give the student a comprehensive knowledge of the literature of the drama and intensive training in all phases of theatre work, from the writing of the play to the completed presentation before an audience.

Intensive study and research in all phases of dramatic art are made effective through introductory and advanced lecture courses, the seminar, and supervised practice work in theatre technique. The library resources for the student of dramatic literature and history of the theatre include a large and constantly increasing collection of critical and technical works and plays of all periods.

Practical training for the student of playwriting, acting, directing, and technical work is provided by the production unit of the Department of Dramatic Art, The Carolina Playmakers. The Playmakers Theatre building, the Forest Theatre, and the scene shop furnish ample opportunity for the student to test theory with practice, in both experimental and public performances.

Courses for Undergraduates

40 (55). VOICE TRAINING (3). Same as English 40. *Two lectures and one laboratory period a week, winter or spring semester. Fee for materials, $2.00.* Mr. Hume.

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* Requirements for an undergraduate with a major in Dramtic Art. *A minimum of eighteen courses distributed as follows*:

Three courses from the following: playwriting (155, 156) and Theatre Arts (55, 61, 63, 64, 65, 66, 67, 70, 75.) [Those planning to take graduate work must include one course in playwriting and one in acting on the undergraduate level. Those who intend to take the advanced course in Staging Methods, see prerequisite courses for that course.]

Two courses in dramatic literature from American Drama (149), History of the Theatre (160), Comparative Drama (161), Modern Drama (162).

One course in Shakespeare in the Theatre (150).

One course in Voice Training (40).

Four to seven courses in allied departments of the Division of the Humanities, to be taken after conference with the Departmental Adviser.

Four to seven courses from other divisions.

Students interested in reading for honors in Drama should consult the statements on p. 128 (Division of the Humanities).

† Died 16 August 1944.

‡ Acting Head of Department.

** Absent on leave in military service.

55. ADVANCED VOICE TRAINING (3). Prerequisite, Dramatic Art 40.
This course is the same as English 55. Enrollment limited. *Two lectures and one laboratory period a week, spring semester. Fee for materials, $2.00.* Mr. Hume.

61. ACTING (3).
Three hours a week, winter or spring semester. Fee for materials, $2.00. Messrs. Selden, Heiberg-Jurgensen, Fitz-Simons, Miss Culbert.

63. PLAY DIRECTION (3). Prerequisite, Dramatic Art 61.
Registration is limited. Before registering for this course, students must secure the permission of Professor Selden. Students training for teaching who wish to take this course to complete a minor program in Dramatic Art should consult their advisers. Two lecture and two practical hours a week, spring semester. Fee for materials, $2.00. Messrs. Selden, Heiberg-Jurgensen.

All students enrolling in the following three stagecraft courses will be expected to assist with the technical work in the production of The Carolina Playmakers.

64. SCENERY CONSTRUCTION AND PAINTING (3).
One lecture and four laboratory hours a week, winter or spring semester. Fee for materials, $2.00. Mr. Burrows.

65. STAGE LIGHTING (3).
One lecture and four laboratory hours a week, winter semester. Fee for materials, $2.00. Mr. Burrows.

66. STAGE DESIGN (3).
One lecture and four laboratory hours a week, spring semester. Fee for materials, $2.00. Mr. Fitz-Simons.

67. COSTUMING (3).
One lecture and four laboratory hours a week, winter or spring semester. Fee for materials, $2.00. Mr. Fitz-Simons, Mrs. Smart.

70. RADIO PRODUCTION (3).
Two lecture hours and one laboratory period a week, winter or spring semester. Fee for materials, $2.00. Miss Culbert.

75. DRAMATIC SCRIPT-WRITING FOR THE RADIO (3). Prerequisite, Dramatic Art 155 or 156.
A practical course in the preparation of radio plays, sketches, documentaries, and other forms of dramatic writing. *Three hours a week, winter or spring semester. Fee for materials, $1.00.* Mr. Selden, Miss Culbert.

Courses for Graduates and Advanced Undergraduates

149. AMERICAN DRAMA (3).
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Hume.

150 (50). SHAKESPEARE IN THE THEATRE (3).
Three hours a week, winter semester. Mr. Hume.

The following two courses in playwriting (155, 156) should be taken consecutively. If it is not practicable to do this, however, the student may, with the consent of Professor Selden, take any one of the two courses offered. Under exceptional circumstances a student may repeat one or more of the courses for credit. Special permission is necessary for this privilege.

155. PLAYWRITING AND EXPERIMENTAL PRODUCTION I (3).
Two lecture and two practical hours a week, winter semester. Fee for experimental production, $3.00. Messrs. Selden, Heiberg-Jurgensen.

156. PLAYWRITING AND EXPERIMENTAL PRODUCTION II (3).
Two lecture and two practical hours a week, spring semester. Fee for experimental production, $3.00. Messrs. Selden, Heiberg-Jurgensen.

160. HISTORY OF THE THEATRE (3).
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Hume.

161. COMPARATIVE DRAMA (3).
(1946-1947 and alternate years.) *Three hours a week, spring semester.* Mr. Hume.

162. MODERN DRAMA (3).
(1946-1947 and alternate years.) *Three hours a week, winter semester.* Mr. Hume.

Courses for Graduates

201. PLAY DIRECTING, ADVANCED (3). Prerequisite, Dramatic Art 61 and 63, or equivalent training in acting and directing.
Three hours a week, spring semester. Fee for materials, $3.00. Mr. Selden.

202. STAGING METHODS (3). Prerequisite, Dramatic Art 64, 65, 66 and a course in freehand drawing and painting or equivalent training in designing and technical practice.
Three hours a week, spring semester. Fee for materials, $2.00. Messrs. Selden, Burrows.

203. TECHNICAL PROBLEMS IN PLAYWRITING (3). Prerequisite, Dramatic Art 155 or 156.
Three hours a week, spring semester. Mr. Green.

204. PHILOSOPHICAL IDEAS IN DRAMATIC LITERATURE (3).
Three hours a week, spring semester. Mr. Green.

325. SEMINAR IN DRAMATIC ART (3).
Three hours a week winter semester. Messrs. Selden, Sharpe.

340. SPECIAL READINGS (3).
Research in a special field of Modern Drama or the History of the Theatre. This course may not be repeated for credit. Mr. Selden.

*DEPARTMENT OF ECONOMICS AND COMMERCE

Professors: D. D. CARROLL, E. E. PEACOCK, R. J. M. HOBBS, J. B. WOOSLEY, **C. P. SPRUILL, †G. T. SCHWENNING, CLARENCE HEER, H. D. WOLF, †D. H. BUCHANAN, †E. M. BERNSTEIN, M. S. HEATH, †M. D. TAYLOR, D. J. COWDEN, †R. S. WINSLOW.

Associate Professors: J. M. LEAR, †J. G. EVANS, R. H. SHERRILL, J. E. DYKSTRA, ERVIN HEXNER, †O. T. MOUZON.

Assistant Professors: †A. T. BONNELL, **J. C. D. BLAINE, **D. F. MARTIN, JR., W. J. DANIEL, R. I. MEHR, P. L. BROWN, J. M. WALLER.

Lecturer: FRANZ GUTMANN.

Instructors: H. E. KLONTZ, J. S. FLOYD, A. C. GASKILL

Teaching Fellows: J. N. BEHRMAN, F. E. GILLIS

Graduate Assistant: FRANCES HOUSTON

*ECONOMICS

Courses for Undergraduates

31-32. GENERAL ECONOMICS (6). Not open to Freshmen. Sophmore elective. *Three hours a week, winter and spring; spring and winter semesters.* Messrs. Heath, Cowden, Winslow, Lear, Waller, Floyd.

34. GENERAL ECONOMICS. (5). Not open to Freshmen. Sophomore elective. *Five hours a week, every semester.* This is an intensive course and satisfies the requirement as prerequisite for advanced courses in economics. Messrs. Heath, Cowden, Wolf, Winslow, Lear, Floyd.

41. RESOURCES AND INDUSTRIES (4). *Four hours a week, every semester.* Mr. Klontz.

61. PRINCIPLES OF ECONOMICS (4). Not open to Freshmen or Sophomores and does not serve as prerequisite to advanced courses. *Four hours a week, every semester.* Mr. Heer.

81. PRINCIPLES OF MONEY AND BANKING (3). Prerequisite, Economics 31-32 or equivalent. *Three hours a week, every semester.* Mr. Gutmann.

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* For an A.B. degree with a major in Economics, a student must complete Economics 31-32 or equivalent in the General College and six or seven additional courses in Economics. The student will be required to select five to seven courses also from related departments in the Division of the Social Sciences and five to seven courses from the Divisions of the Natural Sciences and the Humanities.

** Absent on leave in military service.

† Absent on leave in government service.

Courses, which began March 1944, offered by the Department of Economics and Commerce to students in the Navy Pre-Supply Corps. The credits shown in parenthesis are stated in semester hours.

BA1-2. PRINCIPLES OF ECONOMICS I AND II (6). Economic principles and economic institutions—their application to concrete problems. *Three lecture-recitation periods a week for two semesters.* Messrs. Wolf, Lear, Floyd, Mehr, Winslow.

BA5a-6a. ACCOUNTING Ia-IIa (8). The content of these courses is the same as Commerce 71-72. *Three lecture-recitation periods and one 2-hour laboratory period a week for two semesters.* Messrs. Sherrill, Gaskill.

BA7a-7b. STATISTICS Ia-IIa (8). Statistical methods of measuring economic data; collection of data; average; charts; seasonal variation; secular trends; cyclical fluctuations; business barometers; correlation. *Three lecture-recitation periods and one 2-hour laboratory period a week for two semesters.* Mr. Cowden.

BA10-11. Business Finance (8). Financial operations of business enterprises including relations with banks and financial institutions. It is contemplated that corporation finance will be covered in the second term. *Four lecture-recitation periods a week for two semesters.* Mr. Woosley.

BA12-13. BUSINESS ORGANIZATION AND MANAGEMENT (8). The historical background of industry; the industrial revolution; development of business institutions in the United States; forms of business organization; principles of organization and administration. Practice in writing reports is an integral part of this course. *Three lecture-recitation periods and one 2-hour laboratory period a week for two semesters.* Messrs. Dykstra, Mehr.

BA14. CASE ANALYSIS OF BUSINESS PROBLEMS (3). Application of economic, accounting, statistical, and management analysis to consideration of business problems set up in business cases. *Three lecture-recitation periods a week every semester.* Messrs. Dykstra, Woosley.

BA15-16. BUSINESS LAW (6). Survey of law; courts and administrative agencies. Contracts. Agency. Bailments. Sales. Negotiable Instruments. Partnerships. Corporations. *Three lecture-recitation periods a week for two semesters.* Mr. Hobbs.

BA17. ELEMENTARY COST ACCOUNTING (4). An introductory consideration of the basic principles of cost accounting, together with their practical application in the development of cost-accounting procedures and controls. *Three lecture-recitation periods and one 2-hour laboratory period a week every semester.* Mr. Peacock.

BA18. ACCOUNTING AND STATISTICAL CONTROLS (3). A study of the administrative use of accounting and statistical controls. *Three lecture-recitation periods a week every semester.* Messrs. Cowden, Peacock.

BA19. MARKETING (3).
The present marketing structure and institutions, policies, procedures, channels, and agencies. *Three lecture-recitation periods a week every semester.* Mr. Brown.

Courses for Graduates and Advanced Undergraduates

111. RESOURCES AND TECHNIQUES IN WORLD ECONOMY. (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, spring semester. Mr. Mouzon.

121. RISK AND RISK-BEARING (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, winter semester. Mr. Lear.

124. PRINCIPLES OF MARKETING (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, every semester. Messrs. Taylor, Brown.

131. ECONOMIC THEORY (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, every semester. Messrs. Evans, Spruill.

135. ECONOMIC HISTORY (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, winter semester. Mr. Buchanan.

137. ECONOMIC DEVELOPMENTS IN THE ORIENT SINCE 1800 (3).
Three hours a week, spring semester. Mr. Buchanan.

141. PUBLIC FINANCE (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, spring semester. Mr. Heer.

142. PROBLEMS IN FEDERAL FINANCE (3). Prerequisite, Economics 141.
Three hours a week, spring semester. Mr. Heer.

143. PROBLEMS IN STATE AND LOCAL FINANCE (3). Prerequisite, Economics 141.
Three hours a week, winter semester. Mr. Heer.

145. THEORIES AND FORMS OF BUSINESS ENTERPRISE. (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, spring semester. Mr. Hexner.

151. TRANSPORTATION (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, winter semester. Mr. Heath.

153. PUBLIC UTILITIES (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, spring semester. Mr. Heath.

161. THEORY OF INTERNATIONAL TRADE (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, winter semester. Messrs. Bonnell, Waller.

165. COMMERCIAL POLICY OF MODERN NATIONS (3). Prerequisite, Economics 161.
Three hours a week, spring semester. Mr. Bonnell.

170. ECONOMIC STATISTICS (4). Prerequisite, Freshman Mathematics, Economics 31-32 or equivalent.
Three lectures and two laboratory hours a week, every semester. Laboratory fee, $3.00, Mr. Cowden.

171. ADVANCED ECONOMIC STATISTICS I (4). Prerequisite, Economics 170 or its equivalent.
Three lectures and two laboratory hours a week, every semester. Laboratory fee, $3.00, Mr. Cowden.

172. ADVANCED ECONOMIC STATISTICS II (3). Prerequisite, Economics 170 and 171, or equivalent.
Three lecture hours and outside assignments a week, spring semester. Laboratory fee, $2.00. Mr. Cowden.

185. BUSINESS CYCLES (3). Prerequisite, Economics 31-32 or equivalent, and 81.
Three hours a week, winter or spring semester. Mr. Gutmann.

191. AN INTRODUCTION TO THE LABOR PROBLEM (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, every semester. Mr. Wolf.

192. LABOR AND SOCIAL CONTROL (3). Prerequisite, Economics 191.
Three hours a week, spring semester. Mr. Wolf.

195. THEORIES OF ECONOMIC REFORM. (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, every semester. Mr. Carroll.

197. GOVERNMENT AND BUSINESS (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, spring semester. Messrs. Hobbs, Waller.

Courses for Graduates

211. ADVANCED COMMODITY ECONOMICS (3). Prerequisite, Economics 41, 31-32, or equivalent.
Three hours a week, spring semester. Mr. Mouzon.

224. THE ECONOMICS OF MARKETING (3). Prerequisite, Economics 124 or equivalent.
Three hours a week, spring semester. Mr. Taylor.

235. ECONOMIC DEVELOPMENTS IN THE OCCIDENT BEFORE 1750. (3).
(Alternates with Economics 236.) *Three hours a week, winter semester.* Mr. Buchanan.

236. ECONOMIC DEVELOPMENTS IN THE OCCIDENT SINCE 1750. (3).
Alternates with Economics 235; will be given in 1945-46. *Three hours a week, spring semester.* Mr. Buchanan.

241. HISTORY OF FISCAL DOCTRINES (3). Prerequisite, Economics 141.
Three hours a week, spring semester. Mr. Heer.

244. INDUSTRIAL COMBINATIONS (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, spring semester. Mr. Hexner.

251-252. ADVANCED ECONOMIC THEORY (6). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, winter and spring semesters. Mr. Heath.

281. MONEY, PRICES, AND FOREIGN EXCHANGE (3). Prerequisite, Economics 81 or equivalent.
Three hours a week, winter semester. Mr. Gutmann.

282. COMMERCIAL AND CENTRAL BANKING (3). Prerequisite, Economics 81 or equivalent.
Three hours a week, spring semester. Mr. Woosley.

291. LABOR ECONOMICS (3). Prerequisite, Economics 191 or equivalent.
Three hours a week, spring semester. Mr. Wolf.

295. CASE STUDIES IN ECONOMIC REFORM. (3). Prerequisite, Economics 31-32 or equivalent, 195 or equivalent.
Three hours a week, every semester. Mr. Carroll.

324. SEMINAR IN MARKETING. (3).
Equivalent of three hours a week, winter or spring semester. Messrs. Taylor, Brown.

341. RESEARCH COURSE IN PUBLIC FINANCE. (3).
Equivalent of three hours a week, winter or spring semester. Mr. Heer.

NOTE: *Registration for this course must be approved by the professor in charge.*

351ab. SEMINAR IN ECONOMICS (3 each semester).
Equivalent of three hours a week, winter and spring semesters. Messrs. Heath, Winslow.

NOTE: *Registration for this course must be approved by the professor in charge.*

361. INTERNATIONAL ECONOMIC RELATIONS (3).
Equivalent of three hours a week, winter or spring semester. Mr. Bonnell.

NOTE: *Registration for this course must be approved by the professor in charge.*

371. RESEARCH IN ECONOMIC STATISTICS (3).
Equivalent of three hours a week, winter or spring semester. Mr. Cowden.

NOTE: *Registration for this course must be approved by the professor in charge.*

382. SEMINAR IN PRIVATE FINANCE (3).
Equivalent of three hours a week, winter or spring semester. Mr. Woosley.

NOTE: *Registration for this course must be approved by the professor in charge.*

385. ECONOMIC DYNAMICS. (3).
Equivalent of three hours a week, winter or spring semester. Mr. Bernstein.

NOTE: *Registration for this course must be approved by the professor in charge.*

391. HUMAN RELATIONS IN INDUSTRY (3).
Equivalent of three hours a week, winter or spring semester. Mr. Wolf.

NOTE: *Registration for this course must be approved by the professor in charge.*

399. SEMINAR (3). Individual research in a special field under direction of a member of the department.

COMMERCE

(Courses in Commerce count for credit toward the degree S.B. in Commerce only.)

Courses for Undergraduates

51. BUSINESS ORGANIZATION (3). Prerequisite, Economics 31 or equivalent.
Three hours a week, every semester. Messrs. Dykstra, Floyd.

61. SALES MANAGEMENT (3). Prerequisite or corequisite, Economics 31-32 or equivalent, Economics 124.
Three hours a week, spring semester. Laboratory fee, $1.00. Messrs. Taylor, Brown.

66. GENERAL PSYCHOLOGY FOR STUDENTS OF COMMERCE. (3). For students in the School of Commerce; not open to others.
Three hours a week, every semester. Fee for materials, $1.00. Mr. Daniel.

71. ACCOUNTING PRINCIPLES I (4). Prerequisite or corequisite, Economics 31-32 or equivalent, Commerce 51.
Three lecture and three laboratory hours a week, every semester. Laboratory fee, $3.00. Messrs. Peacock, Sherrill, Gaskill.

72. ACCOUNTING PRINCIPLES II (4). Prerequisite, Commerce 71.
Three lecture and three laboratory hours a week, every semester. Laboratory fee, $3.00. Messrs. Peacock, Sherrill.

91-92. BUSINESS LAW (6). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, every semester. Messrs. Hobbs, Waller.

Courses for Graduates and Advanced Undergraduates

121. INSURANCE: LIFE (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, winter semester. Mr. Lear.

122. INSURANCE: FIRE, MARINE, BOND, AND TITLE (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, spring semester. Mr. Lear.

141. TRAFFIC PROBLEMS (3). Prerequisite, Economics 151. (This course will be given only in case as many as five students register for it.) *Three hours a week, spring semester.* Mr. Heath.

151. PRINCIPLES OF INDUSTRIAL MANAGEMENT (3). Prerequisite, Economics 31-32 or equivalent, Commerce 51.
Three hours a week, winter semester. Mr. Dykstra.

154. PRODUCTION MANAGEMENT: THEORIES AND PRACTICES. (4). Prerequisite, Economics 31-32 or equivalent, Commerce 51, 151.
Three lecture and two laboratory hours a week, spring semester. Laboratory fee, $3.00. Mr. Dykstra.

155. PERSONNEL MANAGEMENT (3). Prerequisite, Economics, 31-32 or equivalent, Commerce 51, 155.
Three hours a week, spring semester. Mr. Schwenning.

156. PERSONNEL PROBLEMS (3). Prerequisite, Economics 31-32 or equivalent, Commerce 51, 155.
Three hours a week, spring semester. Mr. Schwenning.

157. TIME AND MOTION STUDY (4). Prerequisite, Economics 31-32 or equivalent, Commerce 51, 151, 154. Open only to seniors and graduate students.
Three lecture and two laboratory hours a week, spring semester. Laboratory fee, $3.00. Mr. Dykstra.

158. MANAGEMENT PROBLEMS (3). Prerequisite, Economics 31-32 or equivalent, Commerce 51 and 151.
Three hours a week, winter semester. Mr. Dykstra.

161. ADVERTISING (3). Prerequisite, Economics 31-32 or equivalent.
Three hours a week, winter semester. Messrs. Taylor, Brown.

163. ADVANCED COURSE IN MARKETING (3). Prerequisite, Economics 31-32 or equivalent, Economics 124, and Commerce 61 or 161.
Three hours a week, spring semester. Messrs. Taylor, Brown.

165. RETAIL DISTRIBUTION (3). Prerequisite, Economics 31-32 or equivalent, Economics 124.
Three hours a week, spring semester. Messrs. Taylor, Brown.

169. FOREIGN TRADE PRACTICE (3). Prerequisite or corequisite, Economics 124.
Three hours a week, spring semester. Mr. Bonnell.

171. ADVANCED ACCOUNTING (3). Prerequisite, Commerce 71-72.
Three hours a week, spring semester. Laboratory fee, $2.00. Mr. Peacock.

172. ACCOUNTING SYSTEMS (4). Prerequisite, Commerce 71 and prerequisite or corequisite, Commerce 72.
Four hours a week, spring semester. Laboratory fee, $2.00. Mr. Peacock.

173. COST ACCOUNTING (3). Prerequisite, Commerce 71-72.
Three hours a week, every semester. Laboratory fee, $2.00. Mr. Peacock.

175. AUDITING (4). Prerequisite, Commerce 71-72.
Three lecture and two laboratory hours a week, spring semester. Laboratory fee, $2.00. Mr. Peacock.

177. INCOME TAX PROCEDURE (4). Prerequisite, Commerce 71-72.
Three lecture and two laboratory hours a week, spring semester. Laboratory fee, $2.00 Mr. Sherrill.

s178. C. P. A. PROBLEMS (12). Prerequisite, Commerce 71-72.
(This course is given only in the summer semester. Laboratory fee, $7.50 each term. Unless a minimum of ten students register in the first term and eight in the second term this course will not be given.)

179. GOVERNMENTAL ACCOUNTING (3). Prerequisite, Commerce 71-72.
Three hours a week, spring semester. Laboratory fee, $2.00. Mr. Sherrill.

181. ADVANCED BANKING (3). Prerequisite, Economics 81.
Three hours a week, spring semester. Mr. Woosley.

191. CORPORATION FINANCE (4). Prerequisite, Economics 31-32, Commerce 51 and 71.
Four hours a week, every semester. Mr. Woosley.

192. CORPORATION FINANCIAL POLICIES (3). Prerequisite, Economics 31-32 or equivalent, Commerce 51, 71 and 191.
Three hours a week, spring semester. Mr. Woosley.

195. INVESTMENTS (4). Prerequisite, Economics 31-32, Commerce 71-72, 191.
Four hours a week, every semester. Mr. Woosley.

Courses for Graduates

207. THE FUNCTIONS AND THEORIES OF MANAGEMENT (3). Prerequisite, Commerce 51 or equivalent.
Three hours a week, winter semester. Mr. Dykstra.

301ab. SEMINAR IN COMMERCE (with thesis 3).
Winter and spring semesters. Mr. Woosley (Chairman).

399. SEMINAR (3 each quarter).
Individual research in a special field under direction of a member of the department.

*DEPARTMENT OF EDUCATION

Professors: WILL CARSON RYAN, E. W. KNIGHT, A. M. JORDAN, G. B. PHILLIPS, O. K. CORNWELL, **C. E. PRESTON, ROY W. MORRISON, †P. C. FARRAR, A. K. KING, HUGO GIDUZ, W. E. ROSENSTENGEL.

Associate Professors: H. F. MUNCH, J. M. GWYNN

Assistant Professor: W. D. PERRY

Visiting Lecturer: J. S. TIPPETT

Instructors: ††T. R. FINK, V. M. MULHOLLAND

Teaching Fellow: MARY BYNUM HOLMES

Superintendent Chapel Hill Public Schools: A. W. HONEYCUTT

In Extension

Professor: W. J. McKEE

Courses for Undergraduates

NOTES: For undergraduate courses in Physical Education see the Department of Physical Education.

41. INTRODUCTION TO THE STUDY OF EDUCATION I (3). Required of all prospective teachers, but open to others.
Three hours a week, each semester. Mr. Phillips.

42. INTRODUCTION TO THE STUDY OF EDUCATION II (Continued). (3).
Three hours a week, winter semester. Mr.————.

51a. MATERIALS AND METHODS IN ELEMENTARY PUBLIC SCHOOL MUSIC (2). Mr. ————.

‡55a. CLASS INSTRUCTION IN WOODWIND INSTRUMENTS (2).

56a. CLASS INSTRUCTION IN STRINGED INSTRUMENTS (2).

‡57a. CLASS INSTRUCTION IN BRASS INSTRUMENTS (2).

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* All students who plan to follow a teacher training program should consult the Chairman of the Division of Teacher Training, who is also Head of the Department of Education, for admission to the Division before registering for their junior year. Freshmen and sophomores who know that they wish to teach are advised to consult the Chairman of the Division of Teacher Training as early as possible. It is difficult to meet the State requirements for high school teaching certificates in certain fields unless the student chooses General College courses in the light of these requirements. Moreover, it is becoming increasingly important for teachers to be equipped with materials from psychology, sociology, and other departments, and prospective teachers should consult the Chairman of the University Division of Teacher Training with respect to these.

For further information concerning preparation for teaching see the section in the catalogue headed "Division of Teaching Training."

** Retired 31 December 1944.

† Professor *emeritus*.

†† Absent on leave in military service.

‡ These courses are designed principally for teachers having to do with the organization and directing of high school bands and orchestras. Instruments may be rented at a nominal fee, but teachers are urged to bring their own instruments if possible.

Private instruction will be available in organ, piano, voice, violin, and other band and orchestral instruments. Credit in the Teacher Training Program will be given on the basis of 1½ quarter hours for twelve half-hour lessons with six or more hours of practice a week. The attention of teachers and prospective teachers is called to the courses Music s1, s24, s25, s56, which are open to all students without prerequisite work.

s58a. MATERIALS AND METHODS OF TEACHING CREATIVE MUSIC (2).

68. SUPERVISION IN HOSPITALS AND SCHOOLS OF NURSING (2).

69. TEACHING THE NURSING ARTS (4)

71. EDUCATIONAL PSYCHOLOGY (3). Required of all students with majors in the Division of Teacher Training.
Three hours a week, each semester. Mr. Jordan.

75. MATERIALS AND METHODS IN HIGH SCHOOL INSTRUMENTAL MUSIC (3).
Three hours a week, spring semester. Mr. Slocum (of the Department of Music).

76. MATERIALS AND METHODS IN HIGH SCHOOL CHORAL MUSIC (3).
Three hours a week, winter semester. Mr. Young (of the Department of Music).

78. DIRECTED TEACHING OF ART (3). Prerequisite, courses to be determined by the instructor.
Three hours a week, any semester.

79. DIRECTED TEACHING OF HIGH SCHOOL CHORAL MUSIC (3).
Three hours a week, any semester. Mr. Young (of the Department of Music).

80. DIRECTED TEACHING OF HIGH SCHOOL INSTRUMENTAL MUSIC (3).
Three hours a week, any semester. Mr. Slocum (of the Department of Music).

81. MATERIALS AND METHODS OF HIGH SCHOOL ENGLISH. (3).
Three hours a week, any semester. Mr. Mulholland.

82. DIRECTED TEACHING OF HIGH SCHOOL ENGLISH (3). Prerequisite, courses to be determined by the instructor.
Three hours a week, any semester. Mr. Mulholland.

83. MATERIALS AND METHODS IN HIGH SCHOOL FRENCH (3).
Three hours a week, any semester. Mr. Giduz.

83b. MATERIALS AND METHODS IN HIGH SCHOOL SPANISH (3).
Three hours a week, spring semester. Mr. Giduz.

84. DIRECTED TEACHING OF HIGH SCHOOL FRENCH OR SPANISH (3). Prerequisite, courses to be determined by the instructor.
Three hours a week, any semester, on application. Mr. Giduz.

85. MATERIALS AND METHODS IN THE SOCIAL STUDIES (3).
Three hours a week, any semester. Mr. King.

86. DIRECTED TEACHING OF THE SOCIAL STUDIES (3). Prerequisite, courses to be determined by the instructor.
Three hours a week, any semester, on application. Mr. King.

87. MATERIALS AND METHODS IN HIGH SCHOOL LATIN (3).
Three hours a week, any semester. Mr. Gwynn.

88. DIRECTED TEACHING OF HIGH SCHOOL LATIN (3). Prerequisite, courses to be determined by the instructor.
Three hours a week, any semester, on application. Mr. Gwynn.

89. MATERIALS AND METHODS IN HIGH SCHOOL MATHEMATICS (3).
Three hours a week, any semester. Mr. Munch.

90. DIRECTED TEACHING OF HIGH SCHOOL MATHEMATICS (3). Prerequisite, courses to be determined by the instructor.
Three hours a week, any semester, on application. Mr. Munch.

91. MATERIALS AND METHODS IN HIGH SCHOOL SCIENCE (3).
Three hours a week, any semester, on application. Messrs. Preston, ————.

92. DIRECTED TEACHING OF HIGH SCHOOL SCIENCE (3). Prerequisite, courses to be determined by the instructor.
Three hours a week, any semester. Messrs. Preston, ————.

95. BOOK SELECTION FOR YOUNG PEOPLE (3).
Three hours a week, winter semester. Miss Meigs (of the School of Library Science).

96. SELECTION AND USE OF REFERENCE MATERIALS (2).
Two hours a week, winter semester. Mrs. Klontz (of the School of Library Science).

97. BOOK SELECTION FOR CHILDREN (3).
Three hours a week, spring semester. Miss Meigs (see above).

99. PRINCIPLES AND METHODS OF SECONDARY EDUCATION (3). Required of all prospective high school teachers.
Three hours a week, any semester. Mr. Gwynn.

Courses for Graduates and Advanced Undergraduates

NOTE: Most of the graduate courses in Education are also available in one or both of the two terms of the Summer Semester. See the catalogue of the Summer Semester. Graduate courses toward a University degree in Education are also available at the Woman's College, Greensboro, and in summer session at the Appalachian State Teachers College, Boone, and Western Carolina State Teachers College, Cullowhee.

Attention is called to courses listed under psychology, sociology, physical education, dramatic art, and other departments as of particular importance in present-day preparation of teachers and educational administrators. For advanced courses in Physical Education see the Department of Physical Education.

101ab. EDUCATIONAL ADMINISTRATION (6).
Three hours a week, each semester. Messrs. Phillips, Rosenstengel.

102. ELEMENTARY SCHOOL ORGANIZATION AND ADMINISTRATION. (3).
Three hours a week, winter semester. Messrs. Morrison, Tippett.

103. STATISTICAL METHODS IN EDUCATION (3). Prerequisite, Education 71, or the equivalent.
Three hours a week, fall or winter semester. Messrs. Jordan, Munch, Rosenstengel.

104. TECHNIQUES IN EDUCATIONAL LEADERSHIP (3).
Three hours a week, spring semester. Messrs. Phillips, Rosenstengel.

105. GUIDANCE IN THE SCHOOL (3).
Three hours a week, alternate winter or spring semesters. Messrs. Morrison, Preston.

106. GENERAL PRINCIPLES OF OCCUPATIONAL DIAGNOSIS AND GUIDANCE (3). Prerequisite, practical experience and at least two years of psychology and education.
Three hours a week, alternate winter semesters. Mr. Bradshaw (of the Department of Philosophy), or Mr. Perry.

109. BUSINESS MANAGEMENT AND SCHOOL FINANCE (3). Prerequisite, Education 101 or its equivalent.
Three hours a week, alternate winter semesters. Messrs. Phillips, Rosenstengel.

110. PHILOSOPHY OF MODERN EDUCATION (3).
Three hours a week, winter semester. Mr. Bradshaw (of the Department of Philosophy) or Mr. Ryan.

111. ORGANIZATION AND ADMINISTRATION OF INDUSTRIAL ARTS IN THE MODERN SCHOOL (3).
Three hours a week, winter semester. Mr. ————.

112. EDUCATIONAL SOCIOLOGY (3). (Same as Sociology 171).

120. PRINCIPLES OF PHYSICAL EDUCATION (2).
Two hours a week, winter semester. Messrs. Cornwell, Shepard.

121ab. ADMINISTRATION OF PHYSICAL EDUCATION (3).
Three hours a week, spring semester. Mr. Cornwell; Assistants.

130. PRINCIPLES AND METHODS IN ADULT EDUCATION (3).
Three hours a week, alternate spring semesters. Mr. ————.

131. ADULT EDUCATION—A General Survey (3).
Three hours a week, alternate spring semesters. Mr. ————.

142. HISTORICAL FOUNDATIONS OF MODERN EDUCATION (3).
Three hours a week, winter semester. Mr. Knight.

143. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES (History 170) (3).
Three hours a week, winter semester. Mr. Knight.

144. COMMUNITY EDUCATION (3).
Three hours a week, winter or spring semester. Mr. Tippett.

145. COMPARATIVE EDUCATION (3).
Three hours a week, spring semester. Mr. Knight.

146. CONTEMPORARY ISSUES AND TRENDS IN EDUCATION (3).
Three hours a week, spring semester. Mr. Knight.

147. HIGHER EDUCATION IN THE UNITED STATES (3). Prerequisite, Education 142, or Education 143 or equivalent.
Three hours a week, alternate spring semesters. Mr. Knight.

152ab. THE LANGUAGE ARTS IN THE ELEMENTARY SCHOOL (3).
Three hours a week winter semester. Mr. Tippett.

154. THE SOCIAL STUDIES IN THE ELEMENTARY SCHOOL (3).
Three hours a week, alternate spring semesters. Mr. King.

155. NATURAL SCIENCE IN THE ELEMENTARY SCHOOL (3).
Three hours a week, alternate spring semesters. Mr. ————.

160. CURRICULUM CONSTRUCTION (3).
Open to seniors and graduate students with 25 quarter hours of credit in education. *Three hours a week, alternate winter or spring semesters.* Messrs. Gwynn, Tippett.

161. PROGRESSIVE PRACTICES IN THE MODERN SCHOOL (3).
Three hours a week, alternate winter or spring semesters. Mr. McKee or Mr. Tippett.

171ab. GROWTH AND DEVELOPMENT OF THE SCHOOL CHILD (3).
a *Child development (1½)*
b *Adolescence (1½). Three hours a week, spring semester.* Mr. Jordan or Mr. Perry.

172. THE PROBLEMS OF MALADJUSTMENT AMONG CHILDREN (3).
Three hours a week, winter semester. Messrs. Jordan, Perry.

173. MENTAL MEASUREMENTS (3). Prerequisite, one course in educational psychology or a course in general psychology.
Three hours a week, alternate spring semesters. Mr. Jordan.

174. USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS (3).
Three hours a week, winter semester. Mr. Jordan.

175. EXTRA CURRICULAR ACTIVITIES (SOCIOLOGY 175) (3)
Three hours a week, winter semester. Mr. Meyer (of the Department of Sociology).

176. MENTAL HYGIENE IN TEACHING (3). Prerequisite, introductory courses in Psychology and Education.
Three hours a week, winter or spring semester. Mr. Ryan.

182. READING AND LITERATURE IN HIGH SCHOOL (3).
Three hours a week, winter semester. Mr. Farrar.

194. THE PRIVATE OR INDEPENDENT SCHOOL (3).
Three hours a week, spring semester. Mr. Gwynn.

197. SOCIAL POLICY AND EDUCATION (3).
Three hours a week, alternate winter semesters. Mr. King.

199. SECONDARY EDUCATION IN THE UNITED STATES (3).
Three hours a week, any semester. Messrs. Gwynn, Ryan, Rosenstengel.

Courses for Graduates

201. PROCEDURES IN EDUCATIONAL RESEARCH (3).
Three hours a week, any semester. Messrs. King, McKee.

206. MANAGEMENT OF SCHOOL PLANT AND EQUIPMENT (3). Prerequisite, Ed. 101 or its equivalent.
Three hours a week, alternate spring semesters. Mr. Rosenstengel.

208. STATE AND COUNTY SCHOOL ORGANIZATION (3).
Three hours a week, alternate winter semesters. Mr. Rosenstengel.

224. (See under Physical Education.)

225. (See under Physical Education.)

265. INVESTIGATIONS IN READING (3).
Three hours a week, alternate winter semesters. Mr. Tippett.

267ab. EDUCATION WORKSHOP (3 to 6).
Open by special permission to a limited number of qualified students who have specific interests or problems that are adapted to staff and local resources available. Mr. Ryan and members of the Graduate Staff and Visiting Faculty.

272. PROBLEMS IN EDUCATIONAL PSYCHOLOGY (3). Prerequisite, one and preferably two courses in educational and developmental psychology.
Three hours a week, winter semester. Mr. Jordan.

273. TESTS AND MEASUREMENTS IN GUIDANCE (3). Prerequisite, an elementary course in statistics or its equivalent is recommended.
Three hours a week, winter semester. Mr. Jordan.

285. INVESTIGATIONS AND TRENDS IN TEACHING THE SOCIAL STUDIES (3).
Three hours a week, alternate winter semesters. Mr. King.

291. INVESTIGATIONS AND TRENDS IN TEACHING NATURAL SCIENCE (3).
Three hours a week, alternate winter semesters. Mr. ————.

296. ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS (3).
Three hours a week, alternate winter semesters. Messrs. Gwynn, Plemmons, Rosenstengel.

298. SUPERVISION OF INSTRUCTION (3).
Three hours a week winter or spring semester. Messrs. Rosenstengel, Morrison, Tippett.

303. PROBLEMS IN EDUCATIONAL ADMINISTRATION (3). Prerequisite, Education 101 or its equivalent and one other course in educational administration.
Three hours a week, any semester. Messrs. Rosenstengel, Phillips.

341. FOUNDATIONS OF MODERN EDUCATION (3).
Three hours a week, winter semester. Mr. Knight.

350. PROBLEMS IN ELEMENTARY EDUCATION (3).
Three hours a week, any semester. Messrs. Morrison, McKee, Ryan.

360ab. PROBLEMS IN THE CURRICULUM (3).
Three hours a week, any semester. Mr. Gwynn.

375. THESIS COURSE (3).
Any semester. Members of the Graduate Faculty.

376. SEMINAR IN EDUCATION (3).
Three hours a week, each semester. Mr. Ryan and other members of the Graduate Faculty.

398. PROBLEMS IN SECONDARY EDUCATION (3). Prerequisite, two previous courses in secondary education.
One and a half hours a week, winter and spring semesters. Messrs. Ryan, Gwynn, Plemmons.

*DEPARTMENT OF ENGLISH

Professors: G. R. COFFMAN, J. M. BOOKER, G. C. TAYLOR, G. L. PAINE, A. P. HUDSON, A. C. HOWELL, †DOUGALD MACMILLAN (Secretary), C. P. RUSSELL, E. E. ERICSON, †R. P. BOND, RAYMOND ADAMS, W. A. OLSEN, HARDIN CRAIG

Visiting Professor: W. H. ROGERS

Associate Professors: SAMUEL SELDEN, R. B. SHARPE, H. K. RUSSELL, (Acting Secretary), †R. P. MCCLAMROCH, W. S. WELLS, J. O. BAILEY

Assistant Professors: †G. F. HORNER, †EARL WYNN, DOUGLAS HUME, E. H. HARTSELL

Instructors: L. A. COTTEN, J. L. CURTIS, J. G. RICE, J. E. FARRIOR, JR., L. W. ROBERTS, JOHN DOYLE, S. H. BLAKELY

Teaching Fellows: J. M. ADEN, A. H. BUFORD, MARY A. MAGGINIS

Assistants: SARAH I. DAVIS, MRS. JOYCE HOWARD, JOSEPHINE A. PEARCE

Research Associate: MARY CLAIRE RANDOLPH

Courses for Undergraduates

NOTE: *English E 1-2 and 1-2 and English 3-4 (or English 11-12 with grade of C or better) are prerequisite to all advanced courses in the department. Juniors will not be admitted to courses for advanced undergraduates except by special permission.*

E1-2. FRESHMAN ENGLISH FOR NAVY V-12 STUDENTS (6). Course as outlined in *Navy V-12 Curricula Schedules: Course Descriptions (Navy V-12 Bulletin No. 101, November 1,1943) Three hours a week through two semesters.* Messrs. Hudson (Chairman), Bailey, Buford, Rice, Farrior, Roberts, Doyle.

1-2. FRESHMAN ENGLISH (6). Required of all civilian freshmen except those eligible for English 11-12. *Three hours a week through two semesters.* Messrs. Hudson (Chairman), Coffman, Paine, Sharpe, H. K. Russell, Bailey, Hartsell, Cotten, Doyle, Blakely, Miss Magginis.

11-12. FRESHMAN ENGLISH, ADVANCED (6).
English 11-12 is a course for exceptionally well-prepared freshmen with a program of study combining the essential features of English 1-2 and English 3-4. *Three hours a week, through two semesters.* Messrs. Hartsell, Cotten.

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* A student choosing English as his major field should take (a) Eng. 50; (b) one of the following: Eng. 91, 93, 94, 95, 99, 163; (c) one of the following: Eng. 70, 112, 125; (d) one of the following: Eng. 79, 81, 82, 83 or 131, 84 or 141, 88, 89, 111, 121, 151; (e) four courses chosen as free electives from the advanced courses offered by the department (courses numbered from 41 to 199, with the exception of 51 and 59). Students who so desire may utilize all or some of these free electives to make up, in consultation with their adviser, a related group of courses representing some individual interest such as writing, American literature, or a particular field of English literature. In accordance with University regulations a student must have a grade of C or better in at least 18 semester or 30 quarter hours in the major.

Students planning to teach in the public high schools should read the footnote at the bottom of page 190.

Students interested in reading for honors in English should consult the statement on page 129.

† Absent on leave in military service.

3-4. ENGLISH LITERATURE (6). Prerequisite, English El-2 or 1-2. Sophomore requirement.
Three hours a week, through two semesters. Messrs. Adams (Chairman), Booker, Paine, Ericson, Craig, Bailey.

40. VOICE TRAINING (3).
Three lecture hours and one laboratory hour a week, winter or spring semester. Fee for materials, $3.00. Messrs. Wynn, Hume.

41. THE ORAL INTERPRETATION OF LITERATURE (3).
Three hours a week, spring semester. Mr. Olsen.

44. PUBLIC SPEAKING: INTRODUCTORY COURSE (3).
Three hours a week, winter or spring semester. Fee for materials, $1.50. Mr. Olsen.

45. ARGUMENTATION AND PUBLIC DISCUSSION (3). (Not offered 1944-1945.)
Three hours a week. Mr. Olsen.

50. SHAKESPEARE (3).
Three hours a week, winter or spring semester. Mr. Taylor.

51. ADVANCED COMPOSITION: PRACTICAL EXPOSITION (3).
Permission of the instructor is required for registration. Three hours a week, spring semester. Messrs. Howell, Bailey.

52. ADVANCED COMPOSITION: THE TECHNIQUE OF EXPOSITION (3).
Permission of the instructor is required for registration. Three hours a week, both semesters; winter semester, Mr. Bailey; *spring semester,* Mr. Howell.

53. CREATIVE WRITING I (3). (Same as Journalism 65.)
Permission of the instructor is required for registration. Three hours a week, winter semester. Mr. C. P. Russell.

54. CREATIVE WRITING II (3). (Same as Journalism 66.)
Permission of the instructor is required for registration. Three hours a week, spring semester. Mr. C. P. Russell.

55. ADVANCED VOICE TRAINING (3). Prerequisite, English 40.
Three lecture hours and one laboratory hour a week, spring semester. Fee for materials, $3.00. Messrs. Wynn, Hume.

56. ADVANCED PUBLIC SPEAKING (3). Prerequisite, English 44, or the consent of the instructor. (Not offered 1944-1945.)
Three hours a week, one semester. Fee for materials $1.50. Mr. Olsen.

59. SCIENTIFIC WRITING (3).
Permission of the instructor is required for registration.
Three hours a week, winter semester. Mr. Howell.

70. CHAUCER (3).
Three hours a week, spring semester. Mr. Coffman.

72-73. COURSES FOR HONORS (6).
See the Program for Honors Work in the Division of the Humanities, page 129.

78. ENGLISH LITERATURE, 1890-1920 (3).
Three hours a week, spring semester. Mr. Booker.

81. AMERICAN LITERATURE I (3).
Three hours a week, winter semester. Messrs. Adams, Paine.

82. AMERICAN LITERATURE II (3).
Three hours a week, spring semester. Mr. Adams.

83. PROSE AND POETRY OF THE CLASSICAL PERIOD (3).
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Messrs. Bond, ————.

84. THE CHIEF ROMANTIC POETS (3).
1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Hudson.

87a. LITERARY ASPECTS OF THE BIBLE: OLD TESTAMENT (2).
Two hours a week, winter semester. Mr. Howell.
See Biblical History and Literature 87a.

87b. LITERARY ASPECTS OF THE BIBLE: NEW TESTAMENT (2).
Two hours a week, spring semester. Mr. Howell.
See Biblical History and Literature 87b.

88. VICTORIAN LITERATURE I, 1832-1860 (3).
Three hours a week, winter semester. Mr. Booker.

89. VICTORIAN LITERATURE II, 1860-1890 (3).
Three hours a week, spring semester. Mr. Booker.

91. THE ENGLISH NOVEL (3).
Three hours a week, spring semester. Messrs. MacMillan, H. K. Russell (1945).

93. ENGLISH DRAMA (3).
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Messrs. Sharpe, Wells.

94. PRINCIPLES OF LITERARY ART (3).
1945-1946 and alternate years.) *Three hours a week, winter semester.* Messrs. Bond, ————.

95. THE ENGLISH LANGUAGE (3).
Three hours a week, winter semester. Mr. Ericson.

97. CONTEMPORARY LITERATURE (3).
Three hours a week, winter semester. Messrs. H. K. Russell, Bailey.

98. CONTEMPORARY POETRY (3).
Three hours a week, spring semester. Messrs. McClamroch, Cotten (1945).

99. HISTORY OF ENGLISH LITERATURE (3).
Three hours a week, winter semester. Mr. Sharpe.

100. DIRECTED READINGS (3). *Open to advanced students, by special arrangement.* (See Messrs. H. K. Russell and Coffman for permission.)

NOTE: Courses in Directed Teaching of High School English and in Materials and Methods of Teaching High School English will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

Except by special permission juniors will not be admitted to these courses.

101. OLD ENGLISH GRAMMAR AND READINGS (3).
Three hours a week, winter semester. Mr. Ericson.

105. MEDIEVAL ROMANCE IN ENGLISH (3).
Three hours a week, spring semester. Mr. Craig.

111. ENGLISH LITERATURE OF THE RENAISSANCE (3).
Three hours a week, winter semester. Mr. Craig (1944).

112. SPENCER (3).
Three hours a week, one semester. Mr. Wells.

113. ENGLISH DRAMA TO 1600 (3).
Three hours a week, winter semester. Mr. Coffman.

114. ENGLISH DRAMA, 1600-1642 (3).
Three hours a week, spring semester. Mr. Sharpe.

121. ENGLISH LITERATURE, 1616-1700 (3).
(1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Howell.

125. MILTON (3).
Three hours a week, winter semester. Mr. Taylor.

131. ENGLISH LITERATURE, 1700-1780 (3).
Three hours a week, spring semester. Messrs. MacMillan, Bond, Craig (1945).

133. RESTORATION AND EIGHTEENTH-CENTURY DRAMA (3).
Three hours a week, spring semester. Messrs. MacMillan, Sharpe.

141. ENGLISH LITERATURE, 1780-1830 (3).
Three hours a week, winter semester. Mr. Hudson.

148. ENGLISH DRAMA, 1780-1880 (3).
(Not offered 1945-1946.) *Three hours a week.* Mr. MacMillan.

149. AMERICAN DRAMA (3).
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. ————.

151. EARLY AMERICAN LITERATURE (3).
Three hours a week, winter semester. Mr. Paine.

161. COMPARATIVE DRAMA (3).
(1946-1947 and alternate years.) *Three hours a week, winter semester.* Mr. ————.

162. MODERN DRAMA (3).
(1944-45 and alternate years.) *Three hours a week, winter semester.* Mr. Hume.

163. LITERARY CRITICISM (3).
(1946-1947 and alternate years.) *Three hours a week, winter semester.* Messrs. Bond, ————.

167. THE ENGLISH BALLAD (3).
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Hudson.

Courses for Graduates

201. STUDIES IN OLD ENGLISH LITERATURE: BEOWULF (3). Prerequisite, English 101.
Three hours a week, spring semester. Mr. Ericson.

202. MIDDLE ENGLISH(3).
Three hours a week, winter semester. Mr. Coffman.

204. HISTORY OF THE ENGLISH LANGUAGE (3). Prerequisite, English 101, 202. *Three hours a week, spring semester.* Mr. Ericson.

208. CHAUCER (3).
Three hours a week, spring semester. Mr. Coffman.

231-232. SHAKESPEARE (6).
Three hours a week, winter and spring semesters. Mr. Taylor.

243. VICTORIAN LITERATURE I, 1832-1890 (3).
Three hours a week, winter semester. Mr. Booker.

244. VICTORIAN LITERATURE II, 1832-1890 (3).
Three hours a week, spring semester. Mr. Booker.

283. AMERICAN LITERATURE I, 1830-1855 (3).
(1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Adams.

284. AMERICAN LITERATURE II, 1855-1900 (3).
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Paine.

307. SEMINAR: STUDIES IN MEDIEVAL LITERATURE (3).
Three hours a week, one semester. Mr. Coffman.

310. SEMINAR: STUDIES IN ELIZABETHAN LITERATURE (3).
Three hours a week, spring semester, Mr. Taylor; *winter semester,* Mr. Craig.

312. SEMINAR: STUDIES IN SEVENTEENTH-CENTURY LITERATURE (3).
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Howell.

313. SEMINAR: STUDIES IN EIGHTEENTH-CENTURY LITERATURE (3).
Three hours a week, ————*semester.* Messrs. MacMillan, Bond.

317. SEMINAR: STUDIES IN NINETEENTH-CENTURY ROMANTICISM IN ENGLAND (3).
Three hours a week, spring semester. Mr. Hudson.

318. SEMINAR: STUDIES IN AMERICAN LITERATURE (3).
Three hours a week, spring semester. Mr. Paine.

320. SEMINAR: STUDIES IN VICTORIAN LITERATURE (3).
By special arrangement. Mr. Booker.

325. SEMINAR: MODERN DRAMA (4).
See Dramatic Art 325. *Four hours a week, winter semester.* Messrs. Sharpe, Selden.

331. BIBLIOGRAPHY AND METHODOLOGY (3).
Required of all candidates for the A. M. and Ph. D. degrees. *Three hours a week, spring semester.* Mr. Paine.

340. SPECIAL READINGS (3).

341. SPECIAL RESEARCH (3).
Attention is called to the courses in philology and advanced literary study offered in the Departments of Classics (Latin Epigraphy, Latin Paleography), Comparative Literature, Germanic Languages (Gothic, Old and Middle High German, Old Saxon, Old Norse, etc.), and Romance Languages (Old French, Provençal, Old Irish, Old Spanish, Dante, etc.).

See also the Department of Comparative Linguistics.

*DEPARTMENT OF GEOLOGY AND GEOGRAPHY

Professors: W. F. PROUTY, J. P. ROWE, **G. R. MACCARTHY
Associate Professors: S. T. EMORY, F. C. ERICKSON, **J. W. HUDDLE
Assistant Professor: W. A. WHITE
Lecturer: C. S. MAURICE
Assistant: J. W. MARSHALL

*GEOLOGY

Courses for Undergraduates

1-2. INTRODUCTION TO GEOLOGY (8).
Three lecture and two laboratory hours a week, fall and spring semesters. Laboratory fee, $3.00 a semester. Messrs. Prouty, Rowe, Huddle, White; Assistants.

61. MAP MAKING AND MAP INTERPRETATION (4).
Three lecture and one two-hour laboratory period a week with assigned field work and problems, winter and spring semesters. Laboratory fee, $3.00. Mr. Prouty.

64. INTRODUCTION TO METEOROLOGY (4).
Three lecture and two laboratory hours a week, winter semester. Laboratory fee, $3.00. Messrs. MacCarthy, White.

Courses for Graduates and Advanced Undergraduates

101. MINERALOGY (4). Prerequisite, General Chemistry.
Two lecture and four laboratory hours a week, winter semester. Laboratory fee, $7.00. Messrs. Rowe, White.

102. LITHOLOGY AND THE ELEMENTS OF PETROLOGY (4). Prerequisite, Geology 1-2, and 101.
Two lecture and four laboratory hours a week, spring semester. Laboratory fee, $3.50. Messrs. Rowe, White.

103. FIELD GEOLOGY (4). Prerequisite, Geology 101, 102, Mathematics 41, 51, 52.
Two lecture and four laboratory hours a week, spring semester. Laboratory fee, $3.50. Mr. Prouty.

104, 105, 106. ADVANCED GENERAL GEOLOGY (4 each). Prerequisite, Geology 103, General Physics.
Three lecture and two laboratory hours a week, 104 and 105 winter semester; 106 spring semester. Laboratory fee, $3.50 each. Messrs. MacCarthy, Huddle.

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* For A.B. with major in Geology there are required beyond Introduction to Geology: Geology 101, 102, 103, and 104, 105, 106 or 107, 108, 109. The introductory courses in Chemistry and Physics are required, but may be taken in the General College. Four additional courses are to be chosen from allied departments, and six courses outside the Division of Natural Sciences.

For A.B. with major in Geography see footnote on page 206.

For S.B. in Geology see page 137.

** Absent on leave in government service.

107. STRUCTURAL GEOLOGY (4). Prerequisite, Geology 103, General Physics.
Three lecture and two laboratory hours a week, winter semester. Laboratory fee, $3.50. Mr. Prouty.

108. ECONOMIC GEOLOGY. (4). Prerequisite, Geology 107.
Three lecture and two laboratory hours a week, spring semester. Laboratory fee, $3.50. Mr. Prouty.

109. ELEMENTS OF GEOPHYSICS (4). Prerequisite, Geology 107, Trigonometry, General Physics.
Three lecture and two laboratory hours a week, spring semester. Laboratory fee, $5.00. Mr. MacCarthy.

121. GEOMORPHOLOGY. (4). Prerequisite, Geology 1-2.
Four hours a week, lectures and laboratory, spring semester. Laboratory fee, $2.50. Messrs. MacCarthy, White.

128-129. SUMMER FIELD COURSE IN GEOLOGY (8). Prerequisite, Geology 101, 102, 103.
Equivalent to eight hours a week for one semester. Messrs. Prouty, MacCarthy, Huddle, White.

144-145. PETROGRAPHY (8). Prerequisite, Geology 101, 102.
(Given as required.) *Three lecture and two laboratory hours a week, winter and spring semesters. Laboratory fee, $3.50 a semester.* Messrs. Rowe, White.

147. DETERMINATIVE MINERALOGY (4). Prerequisite, Geology 101.
Two lecture and four laboratory hours a week, spring semester. Laboratory fee, $7.00. Messrs. Rowe, White.

164. SYNOPTIC METEOROLOGY (4). Prerequisite, Geology 64, General Physics or equivalent.
Three lecture and two laboratory hours a week, spring semester. Laboratory fee, $2.50. Mr. MacCarthy.

168, 169. FIELD WORK IN GEOPHYSICS (4 each). Prerequisite, Geology 109, General Physics.
Summer and on application. Mr. MacCarthy.

Courses for Graduates

221, 222 ADVANCED STRUCTURAL GEOLOGY (5 each). Prerequisite, Geology 104, 105, 106, 107.
(1944-1945 and alternate years.) *Four lecture and two laboratory hours a week, winter and spring semesters. Laboratory fee, $4.00 each semester.* Mr. Prouty.

224, 225. ADVANCED ECONOMIC GEOLOGY (5 each).
(1945-1946 and alternate years). *Two lecture and six laboratory hours a week, winter and spring semesters. Laboratory fee, $4.00 each semester.* Mr. Prouty.

227. OIL GEOLOGY (5). Prerequisite, Geology 104, 105, 107.
Four lecture and two laboratory hours a week, spring semester. Laboratory Fee, $4.00. Mr. Prouty.

228-229. ADVANCED FIELD GEOLOGY (8). Prerequisite, Geology 128-129.
Equivalent to eight hours a week for one semester. Messrs. Prouty, MacCarthy, Huddle, White.

241, 242. ADVANCED MINERALOGY (5 each). Prerequisite, Geology 144, 145, except by permission.
Two lecture and six laboratory hours a week, on application. Laboratory fee, $5.00 each semester. Messrs. Rowe, White; Assistant.

244, 245. ADVANCED PETROLOGY (5 each). Prerequisite, Geology 144-145.
(1945-1946 and alternate years). *Two lecture and six laboratory hours a week, winter and spring semesters. Laboratory fee, $5.00 each semester.* Messrs. Rowe, White.

261, 262. APPLIED GEOPHYSICS (5 each). Prerequisite, Geology 109; Mathematics through Calculus.
Three lecture and four laboratory hours a week, winter and spring semesters. Mr. MacCarthy; Assistant.

264. THE PHYSICS OF THE EARTH: GEODYNAMICS (3). Prerequisite, Geology 104, 105, 106.
Three hours a week, winter semester. Mr. MacCarthy.

281, 282. STRATIGRAPHY OF NORTH AMERICA (5 each). Prerequisite, Geology 104, 105, 106.
(1944-1945 and alternate years.) *Five hours a week, winter and spring semesters.* Mr. Huddle.

284. PRINCIPLES OF PALEONTOLOGY (4). Prerequisite, Zoology 41 or Botany 41, Geology 106.
(1945-1946 and alternate years). *Four hours a week, winter semester.* Mr. Huddle.

285, 286. ADVANCED PALEONTOLOGY (3 each). Prerequisite, Geology 284.
(1945-1946 and alternate years.) *One lecture and four laboratory hours a week, winter and spring semesters.* Mr. Huddle.

287. FORAMINIFERA (4). Prerequisite, Geology 106.
One lecture and six laboratory hours a week. One semester, on application. Mr. Huddle.

288, 289. MICROPALEONTOLOGY (4 each). Prerequisite, Geology 287.
Equivalent in 4 hours a week, each semester. On application. Mr. Huddle.

RESEARCH COURSES

These courses are intended for applicants for advanced degrees. Laboratory work and conferences with the Professor in charge of the work. Work in each of these courses may be continued under the same number with sub-letter designations.

321. RESEARCH IN STRUCTURAL GEOLOGY (4 or more). Mr. Prouty.

329. RESEARCH IN ECONOMIC GEOLOGY (4 or more). Mr. Prouty.

341. RESEARCH IN MINERALOGY (4 or more). Messrs. White, Rowe.

349. RESEARCH IN PETROLOGY (4 or more). Messrs. White, Rowe.

361. RESEARCH IN GEOPHYSICS (4 or more). Mr. MacCarthy.

381. RESEARCH IN STRATIGRAPHY (4 or more). Mr. Huddle.

389. RESEARCH IN PALEONTOLOGY (4 or more). Mr. Huddle.

*GEOGRAPHY

Courses for Undergraduates

38. PRINCIPLES OF GEOGRAPHY (4).
The first section of this foundation course in Geography deals primarily with the movements of the earth with reference to the sun and the resulting patterns of insolation, atmospheric pressure, and prevailing winds. The second section surveys the earth in a series of regional studies. *Three lecture and one laboratory period a week, winter or spring semester. Laboratory fee $3.00.* Messrs. Emory, Erickson.

39. INDUSTRIAL AND COMMERCIAL GEOGRAPHY (4). Prerequisite, Geography 38.
This course deals briefly with geographic phases of the chief industrial developments of the world and with the routes and traffic of world trade.
Three lecture and two laboratory hours a week. Laboratory fee, $3.00, spring semester. Messrs. Emory, Erickson.

71. CARTOGRAPHY (4).
This course is designed to present the problems of the map maker. It involves the drawing of map projections, maps, charts, graphs and other methods of graphic presentation.
Three lecture and two laboratory hours a week, winter semester. Laboratory fee, $3.00. Mr. Erickson.

74. GEOGRAPHY FOR TEACHERS (3).
Three hours a week summer session and other times to be arranged. Messrs. Emory, Erickson.

75. GEOGRAPHY OF THE WAR ZONES (4).
Three lecture and two laboratory hours a week, winter or spring semester. Laboratory fee, $3.00 a semester. Mr. Emory.

NOTE: Courses in Directed Teaching of High School Science and in Materials and Methods of Teaching High School Science will be found under the Department of Education.

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* For A.B. with major in Geography, there are required, in addition to Geography 38-39 and Geology 1-2, six courses in Geography and Geology and six courses in allied studies, selected with the approval of the Head of the Department of Geology and Geography. Six courses must be taken outside of the Division of Natural Sciences.
Geography 38-39 is recommended as preparation for all advanced Geography courses.

Courses for Graduates and Advanced Undergraduates

117. SOILS (4). Prerequisite, Introductory Geology.
Four hours a week, winter semester. Laboratory fee, $2.50. Messrs. Erickson, White.

118. SOIL EROSION AND LAND UTILIZATION MAPPING (4). Prerequisite, Geography 117.
(1944-1945 and alternate years). *Three hours a week, winter semester. Laboratory fee, $2.50* Messrs. Erickson, Emory.

153. POLITICAL GEOGRAPHY (3).
Three hours a week, spring semester. Messrs. Erickson, Emory.

N-153 (3). (Restricted to R. O. T. C. third term students)
Two lecture and one laboratory hour a week. Messrs. Erickson, Emory.

154. GEOGRAPHICAL INFLUENCES IN AMERICAN HISTORY (3).
Three hours a week, spring semester. Mr. Emory.

155. CLIMATOLOGY (3).
(1945-1946 and alternate years).
Three hours a week, spring semester. Mr. Erickson.

156. CONSERVATION OF NATURAL RESOURCES (3).
(1945-1946 and alternate years). *Three hours a week, winter semester.* Mr. Emory.

157. GEOGRAPHY OF NORTH AMERICA (3).
Three hours a week, reading and reports, winter semester. Messrs. Emory, Erickson.

158. GEOGRAPHY OF EUROPE (3).
Three hours a week, winter semester. Mr. Erickson.

159. GEOGRAPHY OF SOUTH AMERICA (3).
Three hours a week, winter semester. Mr. Erickson.

178, 179. FIELD COURSE IN GEOGRAPHY. Prerequisite, Geography 38, 39, Geology 1 and 2. Messrs. Emory, Erickson.

Courses for Graduates

211. SPECIAL WORK IN GEOGRAPHY (5 or more). Prerequisite, Geography 38, 39 and two courses in the one hundred bracket.
Three hours a week, winter or spring semester. Messrs. Erickson, Emory.

311. RESEARCH IN GEOGRAPHY (3 or more).
Messrs. Emory, Erickson.

*DEPARTMENT OF GERMANIC LANGUAGES

Professors: RICHARD JENTE, G. S. LANE
Associate Professor: W. P. FRIEDERICH
Assistant Professor: †F. E. COENEN
Instructor: ERNST MORWITZ

Courses for Undergraduates

1-2 **ELEMENTARY GERMAN (No credit towards a degree). *Six hours a week, winter semester.* Messrs. Jente, Lane.

3-4. INTERMEDIATE GERMAN (6).
Six hours a week, spring semester. Messrs. Friederich, Lane.

14-15. BEGINNING GERMAN FOR ADVANCED STUDENTS (6). Sophomore elective. *Three hours a week, two semesters.* Mr. Lane.

21-22. INTRODUCTION TO GERMAN LITERATURE (6). Prerequisite, German 3-4, or the equivalent.
Three hours a week, each part each semester. Messrs. Jente, Friederich.

24-25. SCIENTIFIC GERMAN (6). Prerequisite, 3-4 or equivalent. Open only to students with majors in a science. *Three hours a week, two semesters.* Mr. Jente.

RUSSIAN 76, 77. BEGINNING RUSSIAN (3 each).
Three hours a week, two semesters. Mr. Lane.

Courses for Graduates and Advanced Undergraduates

101-102. WRITING AND SPEAKING GERMAN: PHONETICS (6). Prerequisite, German 22, or by special permission.
Three hours a week, two semesters. Mr. Coenen.

109. GERMAN PROSE IN THE NINETEENTH CENTURY (3). Prerequisite, German 22, or the equivalent.
Three hours a week, winter semester. Mr. Coenen.

111. GERMAN DRAMA IN THE NINETEENTH CENTURY (3). Prerequisite, German 22, or the equivalent.
Three hours a week, spring semester. Mr. Coenen.

115. THE GERMAN LYRIC FROM GOETHE TO THE PRESENT (3). Prerequisite, German 22, or the equivalent.
Three hours a week, winter semester. Mr. Jente.

121. GOETHE (3). Prerequisite, German 22, or the equivalent.
Three hours a week, winter semester. Mr. Jente.

123. FAUST (3). Prerequisite, German 22, or the equivalent.
Three hours a week, spring semester. Mr. Friederich.

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* Students are requested to consult with the department adviser in regard to the requirements for a major in German.

† Absent on leave in government service until March, 1945.

** No credit towards a degree is allowed for Elementary German. Tuition is charged, however, for *six hours,* the actual time devoted to the work.

131. LESSING AND HIS TIME (3). Prerequisite, German 22, or the equivalent.
Three hours a week, spring semester. Mr. Friederich.

141 (132). SCHILLER (3). Prerequisite, German 22, or the equivalent.
Three hours a week, spring semester. Mr. Friederich.

151. CONTEMPORARY GERMAN LITERATURE (1885-1930) (3). Prerequisite, German 22, or the equivalent.
Three hours a week, winter semester. Mr. Jente.

155. GOETHE IN ENGLISH TRANSLATION (3). See Comparative Literature 155.
Three hours a week, spring semester. Mr. Friederich.

161. HISTORY OF THE GERMAN LANGUAGE (3). Prerequisite, a good reading knowledge of German.
Three hours a week, winter semester. Mr. Lane.

171. GERMAN CIVILIZATION (3). Prerequisite, German 101-102.
Three hours a week, winter semester. Mr. Friederich.

Courses for Graduates

221. GOTHIC (3).
Three hours a week, winter semester. Mr. Lane.

222. OLD HIGH GERMAN (3).
Three hours a week, spring semester. Mr. Lane.

223. COMPARATIVE GERMANIC GRAMMAR (3).
Three hours a week, spring semester. Mr. Lane.

232. (225). OLD SAXON (3).
Three hours a week, winter semester. Mr. Lane.

233-234. OLD NORSE (6).
Three hours a week, winter and spring semesters. Mr. Lane.

235-236. MIDDLE HIGH GERMAN (6).
Three hours a week, winter and spring semesters. Mr. Jente.

240. READING COURSE (6).
One lecture hour a week, winter or spring semester.

241. THE ROMANTIC SCHOOL IN GERMANY (3).
Three hours a week, spring semester. Mr. Coenen.

252. THE RENAISSANCE AND REFORMATION (1400-1600) (3).
Three hours a week, spring semester. Mr. Friederich.

253. FROM OPITZ TO GOTTSCHED (3).
Three hours a week, spring semester. Mr. Friederich.

341-342. SEMINAR IN LITERATURE (6).
Three hours a week, winter and spring semesters. Messrs. Jente, Friederich.

361-362. SEMINAR IN LINGUISTIC (6).
Three hours a week, winter and spring semesters, on demand. Mr. Lane.

395. RESEARCH (3).

*DEPARTMENT OF HISTORY

Professors: A. R. NEWSOME, J. G. DER. HAMILTON, H. M. WAGSTAFF, W. W. PIERSON, M. B. GARRETT, W. E. CALDWELL, L. C. MACKINNEY, H. T. LEFLER, **F. M. GREEN, ***H. K. BEALE, R. D. W. CONNOR

Associate Professors: J. C. RUSSELL, C. H. PEGG, CECIL JOHNSON

Assistant Professors: ***J. C. SITTERSON, J. L. GODFREY, E. S. POMEROY

Teaching Fellows: G. A. BEEBE, MARY ELIZABETH MASSEY, HARVEY O. WHITE

Courses for Undergraduates

1X-2X. SOCIAL SCIENCE (6). Freshman requirement. Prerequisite to all other courses in history. Fee for materials, $1.00 each quarter.

Three hours a week for two semesters. Messrs. Russell, Johnson, Pegg, Godfrey, Pomeroy.

20. AMERICAN BIOGRAPHY (3). Freshman or sophomore elective.

Not offered in 1944-1945.

21-22. AMERICAN HISTORY: GENERAL COURSE (6). Sophomore elective.

Not offered in 1944-1945.

41-42. ANCIENT AND MEDIEVAL HISTORY: GENERAL COURSE (6). Sophomore elective, open to juniors and seniors.

Three hours a week, winter and spring semesters. Messrs. Caldwell, MacKinney.

44-45. ENGLISH HISTORY: GENERAL COURSE (6). Sophomore elective, open to juniors and seniors.

During the war emergency, History 45 may be taken as an independent elective. *Three hours a week for two semesters.* Mr. Russell.

48. MODERN EUROPEAN HISTORY, 1500-1815 (3). Sophomore elective, open to juniors and seniors.

Three hours a week, spring semester. Mr. Garrett.

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* A student choosing History as his department of major interest must elect either American history or European history as his field of specialization and complete a minimum of six approved courses of advanced level. The requirement for the major in American history shall be eight approved courses of advanced level if the student has not completed History 21-22 or History 71-72 with a minimal grade of C; and for a major in European History a like number (eight) if the student has not completed History 41-42 History 44-45, or History 48, 49, with a minimal grade of C. The student must take at least four of his six or five of his eight courses from his field of specialization; he may elect the remaining courses of his major from the other field. All history courses numbered above 50, except History 71-72, may be credited toward the major.

Those students who plan to teach in public high schools should read the footnote on page 190.

Students wishing to read for Honors in History should consult the regulations governing the honors program in the Divisions of Humanities and Social Sciences on pages —— and also confer with the head of the department.

** Absent on leave, winter semester.

*** Absent on leave.

49. MODERN EUROPEAN HISTORY SINCE 1815 (3). Sophomore elective, open to juniors and seniors.
Three hours a week, winter semester. Mr. Garrett.

51. THE ORIENT AND EARLY GREECE (3).
(1945-1946 and alternate years). *Three hours a week, winter semester.* Mr. Caldwell.

52. GREECE: THE CLASSICAL PERIOD (3).
(1945-1946 and alternate years). *Three hours a week, spring semester.* Mr. Caldwell.

53. HELLENISTIC GREECE AND THE ROMAN REPUBLIC (3).
(1944-1945 and alternate years). *Three hours a week, winter semester.* Mr. Caldwell.

54. THE ROMAN EMPIRE (3).
(1944-1945 and alternate years). *Three hours a week, spring semester.* Mr. Caldwell.

64. EARLY MEDIEVAL EUROPE: THE "DARK" AGES, 300-1000. (3).
Not offered in 1944-1945.

65. EUROPE IN THE CRUSADING AGE, 1000-1300 (3).
Not offered in 1944-1945.

71, 72. AMERICAN HISTORY: GENERAL COURSE (3 each). Not credited towards a major.
Both 21-22 and 71, 72 may not be taken for credit by a student. *Three hours a week, for two semesters.* Mr. Lefler.

91. HISPANIC-AMERICAN COUNTRIES DURING THE NATIONAL PERIOD. (3).
Three hours a week, spring semester. Mr. Pierson.

97. HONORS COURSE (3).
Required of all students reading for honors in history.

98. HONORS COURSE (3).
Required of all students reading for honors in European history.

99. HONORS COURSE (3).
Required of all students reading for honors in United States history.

NOTE: Courses in Directed Teaching of the Social Sciences and in Materials and Methods of Teaching the Social Sciences will be found under the Department of Education.

The following courses are for Navy V-12 students, given from July 1944 to July 1945

HISTORY 1-2. HISTORICAL BACKGROUND OF WORLD WAR II.
The purposes of this course are to provide an understanding of the complexity of present-day civilization and of the inter-relationships of various aspects of society, such as agriculture, industry, and politics; of the way in which the United States developed and the factors that contributed to its development; of the extent to which the United States has its roots in foreign soil; and of the more immediate European and American backgrounds of the present war. *Two hours a week for two semesters.*

N-3. NAVAL HISTORY AND ELEMENTARY STRATEGY.
A study of the nature of sea power; early Mediterranean sea power; early Atlantic sea power; navies in the American Revolution, the Napoleonic Wars, the War of 1812, the American Civil War, the War with Spain, and World Wars I and II; and the uses of the modern navy. *Three hours a week, each semester.*

Courses for Graduates and Advanced Undergraduates

121. MEDIEVAL CULTURAL LIFE (3).
(1945-1946 and alternate years). *Three hours a week, winter semester.* Mr. MacKinney.

122. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES (3).
(1944-1945 and alternate years.) *Three hours a week, winter semester.* Mr. MacKinney.

123. SPANISH CIVILIZATION (3).
Three hours a week, winter semester. Mr. MacKinney.

124. THE AGE OF THE RENAISSANCE, 1250-1550 (3).
Three hours a week, spring semester. Mr. MacKinney.

131. THE PROTESTANT REVOLT (3).
(1945-1946 and alternate years). *Three hours a week, winter semester.* Mr. Garrett.

132. THE RISE OF ABSOLUTISM IN EUROPE (3).
Not offered in 1944-1945.

133. THE FRENCH REVOLUTION AND THE NAPOLEONIC PERIOD (3).
Three hours a week, spring semester. Mr. Garrett.

134. RISE OF DEMOCRACY AND NATIONALISM IN MODERN EUROPE (3).
(1944-1945 and alternate years). *Three hours a week, spring semester.* Mr. Garrett.

135. THE WORLD WAR (3).
Three hours a week, winter semester. Mr. Garrett.

136. RECENT AND CONTEMPORARY EUROPEAN HISTORY (3).
Three hours a week, winter semester. Mr. Pegg.

137. ENGLAND TO 1603. (3).
Three hours a week, spring semester. Mr. Russell.

138. ENGLAND FROM 1603 TO 1760 (3).
Three hours a week, winter semester. Mr. Wagstaff.

139. GREAT BRITAIN FROM 1760 TO THE WORLD WAR (3).
Three hours a week, spring semester. Mr. Wagstaff.

143. THE DIPLOMATIC HISTORY OF THE UNITED STATES (3).
Three hours a week, spring semester. Mr. Johnson.

145. AMERICAN CULTURAL HISTORY I, 1607-1860. (3).
(1945-1946 and alternate years). *Three hours a week, spring semester.* Mr. Beale.

146. AMERICAN CULTURAL HISTORY II, 1860-1941. (3).
(1946-1947 and alternate years). Not offered in 1944-1945.

149. THE AMERICAN COLONIES I, 1606-1689 (3).
Three hours a week, winter semester. Mr. Lefler.

150. THE AMERICAN COLONIES II, 1689-1775 (3).
Three hours a week, spring semester. Mr. Lefler.

151. THE FEDERAL PERIOD, 1783-1815. (3).
Three hours a week, winter semester. Mr. Newsome.

152. THE ANTE-BELLUM PERIOD, 1815-1860. (3).
Three hours a week, winter semester. Mr. Newsome.

153. THE AMERICAN REVOLUTION (3).
Three hours a week, spring semester. Mr. Connor.

154. CIVIL WAR AND RECONSTRUCTION (3).
Not offered in 1944-1945.

155. RECENT HISTORY OF THE UNITED STATES, 1877-1901 (3).
Not offered in 1944-1945.

156. RECENT AMERICAN HISTORY, 1901-1945. (3).
Three hours a week, spring semester. Mr. Newsome.

161. NORTH CAROLINA I, 1584-1815 (3).
Three hours a week, winter semester. Mr. Connor.

162. NORTH CAROLINA II, 1815-1940 (3).
Three hours a week, spring semester. Mr. Connor.

163. THE OLD SOUTH (3).
Three hours a week, spring semester. Mr. Green.

164. THE SOUTH SINCE THE CIVIL WAR (3).
Three hours a week, spring semester. Mr. Green.

165. HISTORY OF THE WEST TO 1815 (3).
(1945-1946 and alternate years). *Three hours a week, spring semester.* Mr. Newsome.

166. HISTORY OF THE WEST SINCE 1815. (3).
(1946-1947 and alternate years). Not offered in 1944-1945.

167. ECONOMIC HISTORY OF THE UNITED STATES I, 1783-1860 (3).
(1946-1947 and alternate years). Not offered in 1944-1945.

168. ECONOMIC HISTORY OF THE UNITED STATES II, 1860-1941 (3).
(1945-1946 and alternate years). *Three hours a week, spring semester.* Mr. Lefler.

170. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES (Education 143). (3).
Three hours a week, spring semester. Mr. Knight (of the Department of Education).

Courses for Graduates

201ab. HISTORIOGRAPHY (4).
Required of all graduate students in history. *Two hours a week, winter and spring semesters.* Messrs. Caldwell, Newsome.

206. GREEK HISTORY, 500-146 B.C. (3).
Three hours a week, winter semester. Mr. Caldwell.

207. ROMAN HISTORY, 133-31 B.C. (3).
Three hours a week, spring semester. Mr. Caldwell.

208. ROMAN HISTORY, 31 B.C.-180 A.D. (3).
Three hours a week, spring semester. Mr. Caldwlel.

220. PRELIMINARIES OF THE AMERICAN REVOLUTION (3).
(1946-1947 and alternate years). Not offered in 1944-1945.

221. THE WAR OF AMERICAN INDEPENDENCE (3).
(1945-1946 and alternate years). *Three hours a week, spring semester.* Mr. ————

261. STUDIES IN THE SOUTH, 1820-1865 (3).
Three hours a week, spring semester. Mr. Green.

271. HISPANIC-AMERICAN HISTORY: The Colonial Period and the Wars of Independence. (3).
(1944-1945 and every third year). Not offered in 1944-1945.

272. HISPANIC-AMERICAN HISTORY: Development of Nationality in South America (3).
(1946-1947 and every third year). *Three hours a week, spring semester.* Mr. Pierson.

273. HISPANIC-AMERICAN HISTORY: Hispanic North America and the Caribbean Countries (3).
(1945-1946 and every third year). *Three hours a week, spring semester.* Mr. Pierson.

301ab. ANCIENT HISTORY (4).
Not offered in 1944-1945.

311ab. MEDIEVAL HISTORY (4).
Not offered in 1944-1945.

321ab. MODERN EUROPEAN HISTORY (4).
Conference, one hour a week, winter and spring semesters. Mr. Garrett.

323ab. ENGLISH HISTORY (4).
Not offered in 1944-1945.

331ab. AMERICAN COLONIAL HISTORY (4).
Not offered in 1944-1945.

333ab. HISTORY OF THE UNITED STATES, 1783-1860. (4).
Conference, one hour a week, winter and spring semesters. Mr. Newsome.

335a. HISTORY OF THE SOUTH (2).
Conference, one hour a week, spring semester. Mr. Green.

337ab. RECENT HISTORY OF THE UNITED STATES (4).
Not offered in 1944-1945.

341. SEMINAR COURSE (3).

370abc. HISPANIC-AMERICAN HISTORY (4).
Not offered in 1944-1945.

*DEPARTMENT OF JOURNALISM

Professors: O. J. COFFIN, C. P. RUSSELL, J. ROY PARKER
Associate Professor: **WALTER SPEARMAN
Instructor: **J. L. MORRISON

Courses for Undergraduates

30. COLLEGE REPORTING
A course with a maximum credit of four semester hours for reporting done on the student newspaper under the supervision of the Department of Journalism. Registration with department required.

31. COLLEGE EDITING.
A similar credit course for those who do the editorial work of the student newspaper. Registration with department required.

53. NEWS WRITING I (3).
Prerequisite for Journalism 54. *Three hours a week, fall semester. Laboratory fee, $2.00.* Messrs. Coffin, Spearman, Morrison.

54. NEWS WRITING II (3).
Prerequisite, Journalism 53 or the equivalent. *Three hours a week, fall or spring semester. Laboratory fee, $2.00.* Messrs. Coffin, Spearman, Morrison.

55. NEWS WRITING III (3).
Prerequisite, Journalism 53 and 54 or equivalent. *Three hours a week, spring semester. Laboratory fee, $2.00.* Messrs. Coffiin, Spearman, Morrison.

56abc. FEATURE WRITING (3 each semester).
Three hours a week, fall and spring semesters. Messrs. Coffin, Russell.

57. NEWS METHODS AND TREATMENTS (3)
Three hours a week, fall semester. Laboratory fee, $2.00. Messrs. Coffin, Spearman, Russell.

58. EDITORIAL WRITING (3).
Three hours a week, spring semester. Mr. Coffin.

59. COUNTRY NEWSPAPER PRODUCTION (3).
Three hours a week, fall or spring semester. Laboratory fee, $2.00. Mr. Parker.

60. BOOK REVIEWING AND DRAMATIC CRITICISM FOR NEWSPAPERS (3). *Three hours a week, fall semester,* Messrs. Russell, Spearman.

61. HISTORY OF JOURNALISM (3).
Three hours a week, fall semester. Messrs. Russell, Parker.

62. NEWSPAPER ADVERTISING I (3).
Three hours a week, fall semester. Laboratory fee, $2.00. Mr. Parker.

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* For the curriculum leading to A.B. in Journalism see page 134.
** Absent on leave in military service.

63. NEWSPAPER ADVERTISING II (3).
Prerequisite, Journalism 62. *Three hours a week, spring semester. Laboratory fee, $2.00.* Mr. Parker.

64, 65, 66. CREATIVE WRITING (3 each).
Three hours a week, continuing courses, one taught each semester. Mr. Russell.

NOTE: These courses elective, by arrangement with the instructor, to those with majors in other fields. See English 53.

67ab. RADIO NEWS AND FEATURES (3).
Three hours each semester. Laboratory fee, $2.00 each semester. Messrs. Russell, Spearman, Morrison.

DEPARTMENT OF LIBRARY SCIENCE

Professors: SUSAN G. AKERS, C. E. RUSH, *L. R. WILSON
Associate Professor: LUCILE KELLING
Assistant Professor: EMILY B. MEIGS
Instructor: MARY P. KLONTZ

Courses for Undergraduates

These courses may be taken by advanced undergraduates in the College of Arts and Sciences with the approval of the Dean of the School of Library Science.

122. BOOK SELECTION FOR YOUNG PEOPLE (3).
Three hours a week, winter semester. Miss Meigs.

123. BOOK SELECTION FOR CHILDREN (3).
Three hours a week, spring semester. Miss Meigs.

143. SCHOOL LIBRARY ORGANIZATION AND ADMINISTRATION (3).
Three hours a week, spring semester. Mrs. Klontz.

* Absent on leave, 1944-1945.

‡DEPARTMENT OF MATHEMATICS

Professors: ARCHIBALD HENDERSON, T. F. HICKERSON, J. W. LASLEY, JR., A. W. HOBBS, E. T. BROWNE, E. L. MACKIE, J. B. LINKER, *M. A. HILL, A. S. WINSOR

Associate Professors: R. M. TRIMBLE, *V. A. HOYLE, *E. A. CAMERON, *WITOLD HUREWICZ, L. L. GARNER, A. T. BRAUER

Lecturers: J. M. FOUSHEE, MAISIE J. PATTERSON, L. J. PHIPPS, C. M. SMITH, Y. K. WONG

Instructors: B. M. DRUCKER, E. T. HODGES, J. G. MCALLISTER, JR., W. H. PEACOCK, C. W. WILLIAMS

Other Instructors: L. A. KATTSOFF (Department of Philosophy), H. F. MUNCH (Department of Education), E. A. SLOCUM (Department of Music)

Teaching Fellows and Part-Time Instructors: LILA P. WALKER, ALBERT V. COBLE, GWENDOLYN HILL, HELEN MCDEVITT

Courses for Undergraduates

**1-2-3. INTRODUCTORY MATHEMATICS (9 *quarter hours*). *Three hours a week for the year.* Messrs. Browne, Winsor, Garner; Misses McDevitt, Walker, Hill.

During the winter semester (1944-1945) a course 2X, three hours a week, was given to complete the requirements for students who had credit for Mathematics 1 and 3. Mr. Garner.

D1. ENGINEERING DRAWING. Lectures and Laboratory †(3).

An introductory course, familiarizing the student with the use of drafting instruments and giving him introductory work in freehand, lettering; fundamental principles of orthographic projection, sections and auxiliary views, dimensioning, isometric projection, and oblique projections. *Six hours a week winter semester.* Messrs. Trimble, Slocum, Miss Patterson.

D2. DESCRIPTIVE GEOMETRY. Lectures and laboratory (2). Prerequisite, Engineering Drawing (D1).

The representation, notation, and visualization of points, lines, planes, traces, and revolutions; true lengths of lines and values of angles; surfaces and their intersections. *Six hours a week, winter semester.* Messrs. Trimble, Foushee, Phipps.

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‡ For the degree of A.B. with major in Mathematics there are required:

I. From thirty (30) to forty-five (45) quarter hours—20 to 30 semester hours consisting of

(a) Fifteen (15) quarter hours, Mathematics 31-32-33, (or 21-22-23, 36).

(b) From fifteen (15) to thirty (30) quarter hours from Mathematics 41, 42 51, 52, 103, 104, 105, 111, 121, 122, 123, 131**, 141**, 151**, 152**, 161**, 171**, at least five (5) quarter hours of which must be taken from the courses marked "**" above.

II. Thirty (30) to thirty-six (36) quarter hours from the department of Botany, Chemistry, Geology, Philosophy, Physics, Psychology, Zoology.

III. Thirty (30) quarter hours outside of the Division of the Natural Sciences.

Those students who plan to teach in public schools should read the footnote at the bottom of page 190.

* Absent on leave in service

** Mathematics 1-2-3, or a year's work in Greek or Latin must be taken by each candidate for A.B.

† In the V-12 program, this course counts for only 2 semester hours.

M1. MATHEMATICAL ANALYSIS I (5). Prerequisite, two or less units of high school mathematics.

This course comprises elementary college algebra and plane trigonometry. *Five hours a week, winter semester.* Messrs. Wong, Drucker, McAllister, Peacock, Smith, Miss Walker.

M2. MATHEMATICAL ANALYSIS II (5). Prerequisite, M1.

This course starts with an introduction to spherical trigonometry, and continues with a brief course in analytic geometry, including the elements of analytic geometry of three dimensions. The course closes with a further study of college algebra, including such topics as determinants and theory of equations. *Five hours a week, winter semester.* Messrs. Henderson, Lasley, Garner, Wong, Drucker, Kattsoff, Smith, McAllister.

M3. MATHEMATICAL ANALYSIS III (5). Prerequisite, at least two and one-half units of high school mathematics, including one and one-half units of algebra.

This course includes the fundamental topics of college algebra, including binomial theorem, determinants, and logarithms. This is followed by a complete course in trigonometry, including spherical trigonometry. *Five hours a week, winter semester.* Mr. Henderson; Miss Walker.

M4. MATHEMATICAL ANALYSIS IV (5). Prerequisite, M3.

This course comprises a somewhat extended course in analytic geometry, including analytic geometry of three dimensions. This is followed by a study of further topics in college algebra: permutations; combinations and probability; theory of equations; complex numbers, and De Moivre's theorem. *Five hours a week, winter semester.* Messrs Browne, Winsor.

M5. CALCULUS I (5). Prerequisite, M1 and M2, or their equivalent.

A first course in calculus, both differential and integral with applications to certain problems in geometry and mechanics, notably maxima and minima, rates, Newton's method of approximation, tangents and normals, length, area, surfaces, volumes, moments, centroids, moments of inertia, and improper integrals. *Five hours a week, winter semester.* Messrs. Lasley, Mackie, Winsor, Wong, Drucker, Williams, Kattsoff.

M6. A1. CALCULUS II AND MECHANICS (5). Prerequisite. Calculus I (M5).

A continuation of a study of the calculus, including such topics as work, attraction, curvature, curve tracing, intermediate forms, series, partial differentiation, multiple integrals, together with numerous applications. *Three hours a week, winter semester.* Messrs. Browne, Mackie, Linker, Williams, Kattsoff.

M7. CALCULUS III (Differential Equations) (5).

Ordinary differential equations of the first two orders, singular solutions, linear equations with constant coefficients, methods of approximation, systems of differential equations, partial differential equatios, together with applications to the physical sciences. *Five hours a week, winter semester.* Mr. Browne.

M8. ELEMENTARY NAVIGATION AND NAUTICAL ASTRONOMY Ia (3). Prerequisite, M1 and M2, or their equivalent.

Spherical trigonometry and elementary vector mathematics, with problems drawn from nautical situations, with emphasis on mathematical principles involved. *Three hours a week, winter semester.* Messrs. Hickerson, Garner, Williams, Hodges.

M9. ELEMENTARY NAVIGATION AND NAUTICAL ASTRONOMY IIa (3). Prerequisite, M8.

A course in elementary nautical astronomy designed to give the student the astronomical background necessary to an understanding of the principles involved in celestial navigation. *Three hours a week for the semester.* Messrs. Hickerson, Hobbs, Hodges.

7. *COLLEGE ALGEBRA (3)

Functions and their graphs, equations and their solutions, systems of linear equations, determinants, exponents, quadratic equations, inequalities, variation, progressions, mathematical induction, binomial theorem, complex numbers, theory of equations. *Three hours a week, any semester.* Messrs. Hickerson, Brauer, Williams, Wong, Smith, Peacock, Miss Hill.

8. *PLANE TRIGONOMETRY (3)

Identities, reduction and addition formulas, graphs, trigonometric equations, inverse trigonometric functions, solution of right and oblique triangles. *Three hours a week, any semester.* Messrs. Hickerson, Linker, Brauer, Hodges, Drucker, Coble, Munch.

31-32 SECOND YEAR MATHEMATICS: INTENSIVE COURSE (10). Prerequisite Mathematics 1-2-3, or equivalent.

Five hours a week, two semesters. Messrs. Henderson, Mackie, Winsor, Garner, Kattsoff.

41. MECHANICAL DRAWING (3). For freshmen and others.

Lectures and laboratory, five hours a week, any semester. Laboratory fee, $1.00. Messrs. Trimble, Slocum.

42. DESCRIPTIVE GEOMETRY (3). Prerequisite, Mathematics 41.

Lectures and laboratory, five hours a week, any semester. Laboratory fee, $1.00. Mr. Trimble.

51, 52. PLANE SURVEYING (4 each). Prerequisite, Mathematics 1, 2, 3, or equivalent. Mathematics 51 may be taken alone, but it is prerequisite for Mathematics 52.

Three lecture and two field hours a week, winter and spring semesters. Fee, $4.00 each semester. Mr. Trimble.

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* Students wishing to fulfill their freshman mathematics requirements in two quarters may take 7 and 8 in place of 1, 2, and 3.

M51n. SURVEYING AND TOPOGRAPHIC DRAWING *(4). Prerequisite, M1 or M3. Lectures, field and drafting exercises.
The use of surveying instruments, plotting field data, and making drawings. Leveling and measuring horizontal and vertical angles, and demonstration of field methods. Computations of areas and volumes, and reduction of data pertaining to observations on the sun and Polaris. *Five hours a week, winter semester.* Mr. Trimble.

NOTE: Courses in Directed Teaching of High School Mathematics and in Materials and Methods of Teaching High School Mathematics will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

103. INTRODUCTION TO HIGHER GEOMETRY (3). Prerequisite, Mathematics 32.
Three hours a week, spring semester. Mr. Winsor.

104. INTRODUCTION TO ADVANCED ALGEBRA (3). Prerequisite, Mathematics 32.
Three hours a week, winter semester. Messrs. Henderson, Garner.

111. ELEMENTARY MATHEMATICAL STATISTICS (3).
Three hours a week, spring semester. Mr. Wong.

121. THEORETICAL AND APPLIED MECHANICS: STATICS (3).
Three hours a week, winter semester. Mr. Hickerson.

122. THEORETICAL AND APPLIED MECHANICS: KINEMATICS AND KINETICS (3).
Three hours a week, spring semester. Mr. Hickerson.

123. STRENGTH OF MATERIALS (4).
Three lecture and two laboratory hours a week, spring semester. Laboratory fee, $4.00. Mr. Hickerson; Assistant.

124. HYDRAULICS (3). Prerequisite, Mathematics 121-123.
Three hours a week, winter semester. Mr. Trimble.

125. STRUCTURAL FRAMEWORKS (3). Prerequisite, Mathematics 121-123.
Three hours a week, winter semester. Mr. Hickerson.

M131. THEORY OF EQUATIONS (3). Prerequisite, Mathematics 33.
Three hours a week, July-November, 1944. Messrs. Henderson, Browne.

141. DIFFERENTIAL EQUATIONS (3). Prerequisite, Mathematics 32.
This course may be taken by V-12 students in lieu of M7. *Three hours a week, winter semester.* Mr. Henderson.

151. PROJECTIVE HOMOGENEOUS COORDINATES AND THEIR APPLICATIONS (3). Prerequisite, Mathematics 32.
Three hours a week, winter semester. Mr. Lasley.

* In the V-12 program this course counts for 3 2/3 semester hours.

161. ANALYTICAL GEOMETRY OF SPACE (3). Prerequisite, Mathematics 32.
Three hours a week, winter semester. Mr. Henderson.

171. ADVANCED CALCULUS (3). Prerequisite, Mathematics 32.
Three hours a week, spring semester. Mr. Brauer.

181. ELEMENTARY THEORY OF NUMBERS (3). Prerequisite, Mathematics 131.
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Brauer.

191. VECTOR ANALYSIS (3). Prerequisite, Mathematics 121, 141, and 161, or equivalent.
(1946-1947 and alternate years.) *Three hours a week, winter semester.* Mr. Hobbs.

Courses for Graduates

206. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE I Prerequisite, Mathematics 131, 141, and 171.
(1946-1947 and alternate years.) *Three hours a week, winter semester.* Mr. Brauer.

207. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE II (3). Prerequisite, Mathematics 206.
(1946-1947 and alternate years.) *Three hours a week, spring semester.* Mr. Brauer.

216. DYNAMICS (3). Prerequisite, Mathematics 191.
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Hobbs.

221. PARTIAL DIFFERENTIAL EQUATIONS (3). Prerequisite, Mathematics 141.
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Hobbs.

226. FOUNDATIONS OF GEOMETRY (3).
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Henderson.

232-233. ALGEBRAIC THEORY OF NUMBERS (6). Prerequisite, Mathematics 131, and 181 is recommended.
(1945-1946 and alternate years.) *Three hours a week, winter and spring semesters.* Mr. Brauer.

236. HIGHER PLANE CURVES (3). Prerequisite, Mathematics 151.
(1945-1946 and alternate years. *Three hours a week, spring semester.* Mr. Lasley.

241. LIE THEORY OF DIFFERENTIAL EQUATIONS (3). Prerequisite, Mathematics 141.
(1946-1947 and alternate years.) *Three hours a week, spring semester.* Mr. Hobbs.

246. INTRODUCTION TO HIGHER ALGEBRA (3). Prerequisite, Mathematics 131.
(1946-1947 and alternate years.) *Three hours a week, winter semester.* Mr. Browne.

251. ELEMENTS OF NON-EUCLIDEAN GEOMETRY (3). Prerequisite, Mathematics 151.
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Henderson.

256. ALGEBRAIC INVARIANTS (3). Prerequisite, Mathematics 131 and 151.
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Browne.

261. DIFFERENTIAL GEOMETRY (3). Prerequisite, Mathematics 141 and 151.
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Lasley.

266-267. INTRODUCTION TO THE THEORY OF SETS, FUNCTIONS OF REAL VARIABLES, AND LEBESGUE INTEGRALS (6). Prerequisite, 131 and 171.
(1946-1947 and alternate years.) *Three hours a week, winter semesters.* Mr. Hurewicz.

271. INTRODUCTION TO THE THEORY OF RELATIVITY (3). Prerequisite, Mathematics 121 and 141.
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Henderson.

272. TENSOR ANALYSIS (3). Prerequisite, Mathematics 141 and 271.
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Henderson.

273. ADVANCED RELATIVITY THEORY (3).
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Henderson.

280. CALCULUS OF VARIATIONS (3). Prerequisite, Mathematics 141 and 171.
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Mackie.

281-282. TOPOLOGY (6).
(1945-1946 and alternate years.) *Three hours a week, winter and spring semesters.* Mr. Hurewicz.

286. PROJECTIVE DIFFERENTIAL GEOMETRY (3). Prerequisite, Mathematics 151 and 261.
(1945-1946 aind alternate years.) *Three hours a week, spring semester.* Mr. Lasley.

291. INTRODUCTION TO THE THEORY OF FINITE GROUPS (3). Prerequisite, Mathematics 131.
(1945-1946 and alternate years.) *Three hours, spring semester.* Mr Henderson.

SEMINARS AND THESES (3 each).
Reading and research in mathematics conducted by members of the department, as follows:

351, Mr. Henderson; 352, Mr. Hickerson; 356, Mr. Lasley; 361, Mr. Hobbs; 366, Mr. Browne; 371, Mr. Winsor; 376, Mr. Mackie; 377 Mr. Linker; 381, Mr. Brauer; 386, Mr. Hurewicz.

*DEPARTMENT OF MUSIC

Professor: GLEN HAYDON

Associate Professors: B. F. SWALIN, E. A. SLOCUM, J. P. SCHINHAN

Assistant Professor: PAUL YOUNG

Assistants: EMILY PORTER, MARY LOUISE EMERY, JOHN VOGT, MRS. ADELE S. BURNHAM

Courses for Undergraduates

1-2. NOTATION, SIGHT-SINGING, AND DICTATION (4).
Four laboratory hours a week, winter and spring semesters. Mr. Young.

14-15. HARMONY (6). Prerequisite or corequisite, Music 1-2.
Three hours a week, winter and spring semesters. Mr. Haydon.

21-22. NOTATION, SIGHT-SINGING, AND DICTATION (2). Prerequisite, Music 1-2. Sophomore requirement for those who will have music as a major.
Three hours a week, winter and spring semesters. Mr. Young.

24, 25. THE HISTORY OF MUSIC (3 each). Sophomore requirement for those who will have music as a major.
Three hours a week, winter and spring semesters. Mr. Swalin.

44-45. ADVANCED HARMONY (6). Prerequisite, Music 14-15; prerequisite or corequisite, Music 21-22. Sophomore requirement for those who will have music as a major.
Three hours a week, winter and spring semesters. Mr. Schinhan.

54. INSTRUMENTAL MUSIC OF THE CLASSICAL PERIOD (3).
Three hours a week, winter semester. Mr. Swalin.

55. INSTRUMENTAL MUSIC OF THE ROMANTIC AND MODERN PERIODS (3).
Three hours a week, spring semester. Mr. Swalin.

56. A SURVEY OF VOCAL MUSIC (3).
Three hours a week, summer semester. Mr. Swalin.

61-62. MODAL COUNTERPOINT IN THE 16th CENTURY STYLE (3). Prerequisite, Music 14-15.
Three hours a week, winter and spring semesters. Mr. Schinhan.

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* The courses in music are designed to perform a threefold function in the University: (a) to give the student electing music as his chief interest a thorough training in the practical, theoretical, and historical aspects of the subject as a part of the general liberal arts curriculum for the A.B. degree; (b) to give the student interested in the scholarly aspects of the subject the basic training necessary for successful graduate work; (c) to afford students in other departments the opportunity to take music as an elective for its cultural value in the liberal arts program.

Course leading to the A.B. degree with Music as the Major: Students who take music as the major must modify the regular program for the first two years in order to begin music their first year. They normally will take English 1-2-3, a foreign language, Music 1-2-3 and 14-15-16, and mathematics or Latin or Greek. Courses in the regular freshman program postponed to make way for the music must be taken at some later time. Similar arrangements must be made in the sophomore year to provide for Music 21-22-23, 24-25-26, and 44-45-46.

The undergraduate major in Music consists of from thirty to forty quarter hours beyond the freshman-sophomore requirements and must include Music 61-62, 74-75, and 101-102. Attention is called to the special requirements in applied Music. See pages 224-225.

71-72. INSTRUMENTATION, ORCHESTRATION, AND ELEMENTARY CONDUCTING (6). Prerequisite, Music 44-45.
Three hours a week, winter and spring semesters. Mr. Slocum.

74-75. ANALYSIS AND COMPOSITION IN THE SMALLER FORMS (6). Prerequisite, Music 44-45.
Three hours a week, winter and spring semesters. Mr. Slocum.

Courses for Graduates and Advanced Undergraduates

101, 102. INTRODUCTION TO MUSICOLOGY (6). Prerequisite, a reading knowledge of one or more of the important foreign languages, a fair knowledge of musical theory, and some skill in practical applied music.
Three hours a week, winter and spring semesters. Mr. Haydon.

*121, 122. STUDIES IN THE HISTORY OF MUSIC (6). Prerequisite, Music 24, 25, and 44-45.
Three hours a week, winter and spring semesters. Mr. Swalin.

*124, 125. MODERN MUSIC (6). Prerequisite, Music 24, 25, and 44-45.
Three hours a week, winter and spring semesters. Mr. Swalin.

161-162. FREE COUNTERPOINT, CANON AND FUGUE. Prerequisite, Music 61-62.
Three hours a week, winter and spring semesters. Mr. Slocum.

†174-175. ANALYSIS AND COMPOSITION IN THE LARGER FORMS (6). Prerequisite, Music 74-75.
Three hours a week, winter and spring semesters. Mr. Schinhan.

Courses for Graduates

201. SPECIAL STUDIES (To be arranged.)
The Department is ready to assist and advise competent graduate students who may propose plans for either research or creative work which meet with its approval. Hours and credit to be arranged. Mr. Haydon.

†204-205. INTRODUCTION TO COMPARATIVE MUSICOLOGY (6).
Three hours a week, winter and spring semesters. Mr. Schinhan.

301, 302. SEMINAR: MUSICOLOGY (6).
Three hours a week (to be arranged) *winter and spring semesters.* Mr. Haydon.

APPLIED MUSIC

The following courses in applied music are open to students in any department of the University having the necessary technical equipment. The work in applied music is regarded not merely as technical training in performance, but also as a study of the standard literature for the particular instrument or ensemble group. Credit in general will be given on the basis of one quarter hour credit a year in the first and second years; two quarter hours credit a year in the third and

* Music 121-122 or 124-125 will be given as the demand warrants.
† Music 174-175 or 204-205 will be given as the demand warrants.

fourth years. Credit in the Teacher Training Program will be given on the basis of 1½ quarter hours for twelve half-hour lessons with six or more hours of practice for each lesson. For those whose major is not music a total credit not to exceed ten quarter hours may be counted as electives in the A.B. curriculum. Those whose major is music must offer at least ten quarter hours in applied music and may offer a total not to exceed twenty-five quarter hours in this field, of which not more than ten may be ensemble courses. All students with majors in music, unless given special permission by the Head of the Department, must continue individual instruction in applied music throughout the four years. Students planning to teach instrumental music in the public schools will arrange their schedule for the study of the wind and stringed instruments in consultation with the Department.

The general prerequisite work for entrance into the first year courses is ability to perform music of difficulty rated as grade three for the particular instrument. Copies of the course of study for each instrument will be sent upon request. Students who do not have this prerequisite will repeat the preparatory course without credit until they qualify for the freshman course. The candidate for the A.B. degree with a major in music must complete as a minimum the freshman course in his chosen field of applied music. Students electing some other instrument than piano for their work in applied music must demonstrate sufficient pianistic ability to enable them to meet the practical requirements of the course to be pursued. This is interpreted to mean the ability to play at sight hymns or compositions of similar difficulty.

Students seeking the A.B. degree with a major in Music will be required to participate in the musical organizations of the department, and those in advanced applied music courses must take part in recitals as prescribed by the Department.

Fees

Fees for individual instruction are: $24.00 a semester for one lesson a week; $48.00 a semester for two lessons a week. The fees for class instruction vary from $4.75 to $13.50 a semester according to the number of lessons a week. Practice rooms and periods are assigned at the Music Department Office. Fee for one daily practice period (room with piano), $4.00 a semester; fee for two hours daily practice, $6.75 a semester. Other fees in proportion. Fee for six hours practice a week on Reuter four manual organ, $20.00 a semester, on Estey Practice Organ, $8.00 a semester. All fees for applied music and practice must be paid at the office of the Department of Music.

Individual Instruction

A. PREPARATORY ORGAN (no credit).

One or two half-hour lessons and six or twelve hours practice a week, every semester. Mr. Schinhan.

1A. FIRST YEAR ORGAN (1 or 2). Prerequisite, ability to play music for a keyboard instrument of the difficulty of Heller, Op. 45, 46, 47; Bach Two-Part Inventions; scales and arpeggios in moderate tempo; simple hymns (at sight). Value, 1 or 2 quarter hours respectively for one or two lessons and six or twelve hours of practice a week through two semesters. Mr. Schinhan.

21A. SECOND YEAR ORGAN (1 or 2). Prerequisite, Music 1A. Value, hours, and fee as in 1A. Mr. Schinhan.

51A. THIRD YEAR ORGAN (2 or 4). Prerequisite, Music 21A. Value, 2 or 4 quarter hours respectively for one or two lessons and six or twelve hours practice a week through two semesters. Mr. Schinhan.

81A. FOURTH YEAR ORGAN (2 or 4). Prerequisite, Music 51A. Value, hours, and fee as in third year organ. Mr. Schinhan.

Similar numbering and description with regard to value, hours, fees, and prerequisite work apply to each of the courses B, C, D, and E.

B. PIANO. Mr. Schinhan, Miss Emery, Mr. Vogt, Mrs. Burnham.

C. VOICE. Mr. Young, Mrs. Burnham.

D. VIOLIN OR OTHER STRINGED INSTRUMENT. Mr. Swalin, Mrs. Burnham, Miss Porter.

E. FLUTE OF OTHER BAND OR ORCHESTRAL INSTRUMENT. Mr Slocum.

Class Instruction

For students desiring to complete the general piano requirements, for those in the general instrumental course, and for those wishing special training in voice, class instruction will be offered as far as practicable. Applications for admission to any of these classes should be made at the office of the Department of Music as soon after registration as possible. Hours to be arranged.

Ensemble Groups

1F. FIRST YEAR BAND (1 for year). Prerequisite, approval of instructor based upon a "try-out" given at the beginning of each semester.
A minimum of two hours a week through two semesters. Mr. Slocum.

21F. SECOND YEAR BAND (1 for year).
Hours and value as in preceding course. Mr. Slocum.

51F. THIRD YEAR BAND (2 a year).
A minimum of two hours a week through two semesters. Mr. Slocum.

81F. FOURTH YEAR BAND (2 a year).
Hours and value as in the preceding course. Mr. Slocum.

Similar numbering, prerequisite work, value, and hours apply to each of the following courses in applied music:

G. ORCHESTRA. Mr. Slocum.

H. GLEE CLUB. Mr. Young.

I. PIANO ENSEMBLE, OR OTHER INSTRUMENTAL ENSEMBLE. Staff.

DEPARTMENT OF NAVAL SCIENCE AND TACTICS

Professor: E. E. HAZLETT, JR., *Captain, U. S. Navy (Retired)*

Associate Professor: H. W. CARROLL, JR., *Lieutenant Commander, U.S.N.R.*

Assistant Professors: L. A. RICH, *Lieutenant, U.S.N.R.*, C. E. OWENS, JR., *Lieutenant, U.S.N.R.*, W. E. DURIN, *Lieutenant, U.S.N.R.*, C. A. SCHADE, *Lieutenant, U.S.N.R.*, W. R. MUELLER, *Lieutenant, U.S.N.R.*, C. F. LOUTREL, *Lieutenant (Junior Grade), U.S.N.R.*, J. F. O'SHEA, *Lieutenant, U.S.N.R.*, CEDRIC O'KELLER REYNOLDS, *Lieutenant, U.S.N.R.*

Assistants: W. J. RENOWDEN, *Chief Boatswain's Mate, U.S.N.*, J. O. MARSHALL, *Chief Gunner's Mate, U.S.N. (Retired)*, B. F. DAVENPORT, *Chief Quartermaster, U.S.N. (Retired)*, A. E. HUNYADI, *Chief Yeoman, U.S.N.R.*, J. GRCICH, *Gunner's Mate Second Class, U.S.N.*, HELEN I. MILLER, *Yeoman Third Class, U.S.N.R.*

General Statement

The primary object of the course in Naval Science and Tactics is to provide systematic instruction and training which will qualify graduates of the course for appointment as ensigns in the U. S. Naval Reserve or second lieutenants in the U. S. Marine Corps Reserve.

Graduates, after one year at sea, and if recommended by their commanding officer, and who pass the prescribed mental and physical examinations, may be commissioned as ensign in the regular line of the Navy.

A limited number of graduates may be nominated each year for commissions in the Supply Corps of the United States Navy, and in the United States Marine Corps, as vacancies in these Corps occur.

Training in the Naval Reserve Officers' Training Corps shall so supplement the academic course given by the University that, upon completion of the course in Naval Science and Tactics, N.R.O.T.C. students will possess the following qualifications of a junior officer of the Naval or Marine Corps Reserve:

(a) A good general education.
(b) A practical working knowledge of essential naval subjects.
(c) A well-disciplined mind and body.
(d) An alacrity to assume intelligent responsibility and initiative.
(e) A well-developed sense of naval ideals, customs, and traditions.
(f) Organization leadership and discipline of value in an industrial or professional career.

The Naval R.O.T.C. Program is a permanent training program for both peacetime and wartime and its identity will not be submerged or lost through absorption or consolidation with any other Naval training activity.

For the duration of the war certain modifications in the administration of the N.R.O.T.C. have been made:

1. Academic instruction is based on the term or trimester instead of the quarter system.

2. The source of supply for N.R.O.T.C. students will be students who have successfully completed the first two terms in the Navy V-12 Program.
3. The selected students will complete their N.R.O.T.C. training in five terms of four months each.
4. Students are on active duty and receive the pay of apprentice seamen; the Navy furnishes tuition, board, lodging, uniforms, and books.

Eligibility to membership in the Naval Reserve Officers' Training Corps at the University is limited in peacetime to:

(a) An assigned total of two hundred fifty.

(b) Male students not less than fourteen years of age who are citizens of the United States.

(c) Students who are physically fit, as determined periodically by a Naval Examining Board. The physical standards are the same as those prescribed by the United States Naval Academy.

Practice cruises will be held annually as prescribed by the Navy Department. All N.R.O.T.C. students attending the cruises are furnished transportation and subsistence by the Federal Government.

Uniforms and equipment are furnished students without charge. All textbooks are loaned to the students. During the last two years of the course each student will receive an approximate total of $175 in pay and allowances from the Federal Government. There is no special tuition charge.

Each year, three members of the Unit may be selected by the President of the University to take examinations for appointment to the United States Naval Academy, Annapolis, Md. Ten such appointments are available and students are in competition with students from Naval Units of other Universities.

The course is composed of the following subjects:

NS1-2. SEAMANSHIP. *Three hours a week, two terms.*

NS3. ENGINEERING AND DAMAGE CONTROL. *Three hours a week, one term.*

NS4-5. NAVIGATION AND NAUTICAL ASTRONOMY I, II. *Three hours a week, two terms.*

NS6. NAVAL ADMINISTRATION AND LAW. *Three hours a week, one term.*

NS7. TACTICS, AVIATION AND RECOGNITION—LOOKOUT. *Three hours a week, one term.*

NS8-9. ORDNANCE AND GUNNERY. *Three hours a week, two terms.*

NS10. COMMUNICATION. *Three hours a week, one term.*

NS11. REFRESHER COURSE. *Three hours a week, one term.*

DRILL. *Two hours a week, in addition to classroom work, every term is devoted to practical work in conjunction with the above courses.* Models and largest types of visual training aids are used in this work.

DEPARTMENT OF PATHOLOGY

Professors: J. B. BULLITT, R. L. HOLMAN
Associate Professor: *C. E. BROWN
Instructor: JOHN B. MIALE
Assistant: MARY LOU RUTLEDGE
Senior Technician: MITTIE PICKARD
Technician: *LOLA REID
Acting Technician: MRS. IONE DRINKGERN
Student Assistant: PHYLLIS KELLEY
Secretary: ALICE GATTIS

52. CLINICAL PATHOLOGY (4). Prerequisite, Chemistry 1-2-3, Zoology 41. **Elective.

A course for applicants for the degree of S.B. in Medical Technology. It covers the fundamentals and the technique of hematology, urinalysis, and other general laboratory procedures. *Two lecture and four laboratory hours a week, summer semester* (1945). Doctors Holman, Miale; Miss Rutledge.

DEPARTMENT OF PHARMACOLOGY

Professors: WILLIAM DEBERNIERE MACNIDER, ARNOLD JOHN LEHMAN
Assistant Professor: FRED WILSON ELLIS
Visiting Lecturer: JAMES PAISLEY HENDRIX
Part-time Instructor: EDGAR THEODORE BEDDINGFIELD, JR.
Research Technician: EDITH GERALDINE PFARR

55. PHARMACOLOGY (4). Prerequisite, materia medica, 51-52, Physiology 51. Primarily for students in Pharmacy. *Two lecture and four laboratory hours a week, winter semester. Laboratory fee, $5.00.* Messrs. Lehman, Ellis.

171 ab. PHARMACOLOGY AND MATERIA MEDICA, (11 quarter hours). Prerequisite, consult the instructors. *Elective. *Five lecture and six laboratory hours, second quarter; three lecture hours, third quarter. Laboratory fee for non-medical students, $15.00 a quarter.* Messrs. Lehman, Ellis, Hendrix; Staff.

**172. RESEARCH IN PHARMACOLOGY (5 or more). Hours and details to be arranged with instructor. *First, second, and third quarters.* Messrs. Lehman, Ellis and Staff.

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* Absent on leave in service.
** Before registering for this course, the academic student must secure the permission of his Dean.
* Before registering for this work the academic student must secure the permission of his Dean.
** First, second and third quarters are with reference to the quarters in the session of the School of Medicine.

*DEPARTMENT OF PHILOSOPHY

Professors: F. F. BRADSHAW, S. A. EMERY
Associate Professors: HELMUT KUHN, L. O. KATTSOFF
Instructor: J. J. Hospers

Courses for Undergraduates

21. INTRODUCTORY LOGIC (3).
Three hours a week, winter or spring semester, Messrs. Emery, Kattsoff, Hospers; *or summer semester (first term),* Mr. ————.

23. INTRODUCTORY ETHICS (3).
Three hours a week, winter or spring semester, Messrs. Emery, Kuhn, Kattsoff, Hospers; *or summer semester (second term),* Mr.————.

41. FIELDS OF PHILOSOPHY (3).
Three hours a week, winter or spring semester, Messrs. Emery, Hospers; *or summer semester (first term),* Mr. ————.

56. THE DEVELOPMENT OF ANCIENT PHILOSOPHY (3).
Three hours a week, winter semester, Mr. Kuhn, *or summer semester (first term),* Mr.————.

57. THE DEVELOPMENT OF CHRISTIAN PHILOSOPHY (3).
Three hours a week, winter semester. Mr. Kuhn.

58. THE DEVELOPMENT OF MODERN PHILOSOPHY (3).
Three hours a week, winter, spring, or summer semester (second term). Mr. ————.

63. CONTEMPORARY PHILOSOPHY (3).
Three hours a week, winter or spring semester. Mr. Emery.

67. SYMBOLIC LOGIC (3).
Three hours a week, spring semester. Mr. Kattsoff.

71. BASIC CONCEPTS OF THE NATURAL SCIENCES (3).
A study of the rise of the modern point of view in the natural sciences with special reference to the implications of relativity and atomic physics for such problems as the nature of space, time, motion, causality, method, etc. The impact of science on society also is discussed. *Three hours a week, winter semester.* Mr. Kattsoff.

76. AESTHETICS (3).
Three hours a week, spring semester. Mr. Hospers.

81. PHILOSOPHICAL IDEAS IN CONTEMPORARY LITERATURE (3).
Three hours a week, winter or spring semester, Mr. Kuhn; *or summer semester (second term),* Mr. ————.

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* The Department of Philosophy is a member of each Division. Accordingly, an undergraduate student planning a major in Philosophy will elect this Department as in one of these Divisions and will be governed by the rules of that Division, regarding the distribution of his work among departmental, divisional, and non-divisional courses.

No fixed group of courses in philosophy is required for an undergraduate major. Each student will decide his junior and senior program of courses in consultation with two advisers (one chosen by him, one appointed by the department). In suggesting programs the advisers will recognize as important the distinction between prospective graduate students and others. Before the end of the winter quarter of his junior year the student's program will be submitted to the Departmental staff for information and discussion.

86. MORAL VALUES (3).
Three hours a week, winter semester. Mr. Hospers.

91. PHILOSOPHY OF THE STATE (3).
Three hours a week, winter or spring semester. Mr. Kuhn.

96. PHILOSOPHY OF RELIGION (3).
Three hours a week, spring semester. Mr. Kuhn.

100a, 100b, 100c. COURSES FOR HONORS (3 each).
See the Program for Honors Work, pages ——

Courses for Graduates and Advanced Undergraduates

122. PLATO AND ARISTOTLE (3).
Three hours a week, spring semester. Mr. Kuhn.

126. CONTEMPORARY AMERICAN PHILOSOPHY (3).
Three hours a week, winter semester, Mr. Kattsoff; *or spring semester,* Mr. Emery.

128. PROBLEMS IN CONTEMPORARY PHILOSOPHY (3).
A discussion of various questions of special importance and interest in recent thinkers (causation, meaning, verifiability, etc.). *Three hours a week, spring semester.* Mr. Hospers.

131, 132. LOGIC AND CIVILIZATION (3 each).
A consideration of the development of modern civilization in its various aspects. The basic categories, fundamental to an understanding of civilization, are developed. The attempt is made to provide students with the synthetic point of view necessary to understand the modern world. *Three hours a week, winter and spring semesters.* Mr. Kattsoff.

135. MODERN LOGIC (3). Prerequisite, Philosophy 21 and 66.
Advanced topics in symbolic logic and a study of non-formal logics. *Three hours a week, spring semester.* Mr. Kattsoff.

141. THE PHILOSOPHY OF MATHEMATICS (3).
Three hours a week, winter semester. Mr. Kattsoff.

142. BASIC CONCEPTS OF THE SOCIAL SCIENCES (3). Prerequisite, at least two courses in philosophy, psychology, or sociology.
An evaluation of contemporary institutions on the basis of a theory of values derived from a consideration of modern psychology. Such concepts as behavior, value, goals, society, drives, institutions, etc. are critically studied. This is basically social psychology. *Three hours a week, spring semester.* Mr. Kattsoff.

171, 172. ETHICS AND CIVILIZATION (5 each).
Five hours a week. 171a, *summer semester (first term);* 171b, *summer semester (second term);* 171, *winter semester;* 172, *spring semester.* Mr. Bradshaw.

Courses for Graduates

301, 302. SEMINARS (3 each).
Three hours a week, winter semester, Mr. Kuhn; *spring semester,* Mr. Kattsoff.

311. SPECIAL READINGS (3).
Readings in a special field under the direction of a member of the Department.

*DEPARTMENT OF PHYSICAL EDUCATION AND ATHLETICS

Director: R. A. FETZER

Professor: O. K. CORNWELL

Associate Professors: R. B. LAWSON, G. E. SHEPARD, G. C. KYKER, A. T. MILLER, **F. T. SIEWERT, **R. E. JAMERSON

Assistant Professors: C. E. MULLIS, MRS. GLADYS A. BEARD, E. C. PLISKE, **HERMAN SCHNELL.

Instructors: BUNN HEARN, J. F. KENFIELD, P. H. QUINLAN, M. D. RANSON, H. C. HOUSE, A. H. MATHES, J. H. MURNICK, R. A. WHITE, W. G. JAMES, E. T. MCEVER, H. M. MCEVER, W. H. PEACOCK, MRS. CARL MUELLER, MRS. RUTH VANCOLLIE, MARIAN RUCH, LOIS BLANCHETTE, **C. P. ERICKSON, **JOHN M. MORRIS, **WALTER RABB, **M. Z. RONMAN, **JOHN VAUGHT, **T. B. YOUNG.

The purpose of the work can be stated as follows: (1) To furnish to each student all the information about himself possible from a careful physical examination. (2) To teach him the elements of personal hygiene and public health. (3) To give special attention by way of corrective exercises to all students with physical handicaps. (4) To teach outdoor sports and leisure time recreations to all students in line with their capacities and interests. (5) To provide the necessary training for teachers in the field of health and physical education and thus help to meet the need in North Carolina for knowledge about individual and public health, and to promote widespread participation in wholesome recreation.

Courses for Undergraduates

HYGIENE 11 (Old 1-2-3). PERSONAL HYGIENE (2). Required of freshmen.
Two hours a week for one semester, winter, spring, or summer semester. Messrs. Mullis, Miller, Pliske, Siewert, Jamerson, Schnell.

HYGIENE 12W. HYGIENE (3). For Women.
Two hours a week, winter semester. Mrs. Beard.

1-2-3. PHYSICAL EDUCATION (3). Required of freshmen.
Five hours a week, winter, spring, and summer semesters. Messrs. Lawson, Mullis, Shepard, Quinlan, House, Mathes, Murnick, White, Peacock, McEver, Kenfield, Hearn, Jamerson, Siewert, Ranson, Ronman, Vaught.

1W-2W-3W. PHYSICAL EDUCATION FOR WOMEN (2). *Two hours a week, winter, spring, and summer semesters.* Mrs. Beard, Misses Ruch, Blanchette, Mrs. Mueller, Mrs. VanCollie.

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* The work is under the joint control of the Department of Education and the Athletic Council; for the Department of Education, Dr. W. C. Ryan, for the Athletic Council, Director R. A. Fetzer are in charge.

** Absent on leave in military service.

4. PHYSICAL EDUCATION. Required of sophomores, juniors, and seniors. Continuation of Physical Education 11. *Five hours a week, winter, spring, and summer semesters.* Staff.

4W. PHYSICAL EDUCATION. Required of sophomore, junior, and senior women. Continuation of physical education 12W. *Two hours a week, winter, spring, and summer semesters.* Mrs. Beard, Mrs. Mueller, Mrs. VanCollie, Misses Ruch, Blanchette.

51. PRINCIPLES OF PHYSICAL EDUCATION (5).
Five hours a week, winter semester. Messrs. Jamerson, Shepard.

51a. Laboratory work of six hours weekly is required. Track and field events. Messrs. Fetzer, Ranson; Assistants.

51W. (Women) Laboratory work of four hours weekly is required. Mrs. Beard; Assistants.

52. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (5).
Five hours a week, winter or spring semester. Messrs. Jamerson, Shepard.

52a. Laboratory work of six hours weekly is required. Messrs. House, Mathes.

52W. (Women) Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

53. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. (5).
Five hours a week, spring semester. Mr. Cornwell.

53a. Laboratory work of six hours weekly is required. Messrs. Shepard, House; Assistants.

53W. (Women) Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

61. HEALTH EDUCATION I (5).
Five hours a week, winter semester. Messrs. Siewert, Mullis.

61a. Laboratory work of six hours weekly is required. Messrs. Siewert, Mullis.

61W. (Women) Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

62. HEALTH EDUCATION II (5).
Five hours a week, winter or spring semester. Messrs. Siewert, Mullis.

62a. Laboratory work of six hours weekly is required. Messrs. Siewert, Mullis.

62W. (Women) Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

63. HEALTH EDUCATION III (5).
Five hours a week, spring semester. Messrs. Schnell, Mullis.

63a. Laboratory work of six hours weekly is required. Messrs. Siewert, Mullis.

63W. (Women) Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

64. DIRECTED TEACHING OF PHYSICAL EDUCATION (3). Prerequisite, courses to be determined by the instructor.
Five hours a week, each semester. Messrs. Siewert, Jamerson, Mullis, House, Shepard, Mrs. Beard.

71. ANATOMY (5).
Five hours a week, winter semester. Dr. Lawson.

72. PHYSIOLOGY (5). Prerequisite, Physical Education 71 or the equivalent of Zoology 41 and 42.
Five hours a week, winter or spring semester. Dr. Lawson.

73. INDIVIDUAL PHYSICAL EDUCATION FOR MEN (5).
Five hours a week, with a laboratory requirement, spring semester. Dr. Lawson.

74. INDIVIDUAL PHYSICAL EDUCATION FOR WOMEN (3).
Three hours a week, spring semester. Miss Ruch, Mrs. Beard.

74W. (Women) Laboratory work of four hours weekly is required. *Spring semester.* Miss Blanchette.

83a. METHODS AND MATERIALS IN THE TEACHING OF PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS (2).
Three hours a week, spring semester. Mrs. Beard.

83b. METHODS AND MATERIALS IN THE TEACHING OF PHYSICAL EDUCATION IN HIGH SCHOOLS AND COLLEGES (2).
Three hours a week, spring semester. Miss Ruch.

85a. (Women) CHILD RHYTHMICS AND ELEMENTARY DANCING FOR THE PUBLIC SCHOOLS (2).
Three hours a week, each semester. Mrs. VanCollie.

85b. RHYTHMICS FOR PUBLIC SCHOOLS AND COLLEGES (2).
Three hours a week, each semester. Mrs. VanCollie.

Courses for Graduates and Advanced Undergraduates

120. PRINCIPLES OF PHYSICAL EDUCATION (2). Prerequisite, undergraduate work in education and psychology.
Two hours a week, winter semester; or five hours a week, first first term of the summer semester. Messrs. Cornwell, Shepard.

121ab. ADMINISTRATION OF PHYSICAL EDUCATION (5 or 2).
Five hours a week, spring semester; or five hours a week, first term of the summer semester. Mr. Cornwell; Assistants.

123. PERSONAL HYGIENE (2). Prerequisite, basic courses in science.
Two hours a week, spring semester; or five hours a week, second term of the summer semester. Messrs. Cornwell, Siewert.

126. INDIVIDUAL PHYSICAL EDUCATION (2). Prerequisite, anatomy and physiology, or equivalent.
Two hours a week, winter or summer semester. Messrs. Quinlan, Siewart.

127. INTRAMURAL AND EXTRAMURAL ACTIVITIES FOR SCHOOLS AND COLLEGES (2).
Two hours a week, spring semester; or five hours a week, second term of the summer semester. Messrs. House, Shepard.

173. (Sociology 173) PLAY AND RECREATION (3).
Three hours a week, spring semester. Mr. Meyer (of the Department of Sociology).

175. (Sociology 175) EXTRACURRICULAR ACTIVITIES (3).
Three hours a week, spring semester. Mr. Meyer (of the Department of Sociology).

Courses for Graduates

220. TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION (2).
Two hours a week, winter semester; or five hours a week, first term of the summer semester. Mr. Cornwell.

221. PHYSIOLOGY OF EXERCISE (5 or 3). Prerequisite, zoology and anatomy.
Five lecture and four laboratory periods a week, summer semester. Dr. Miller.

s222. PRINCIPLES OF HEALTH EDUCATION (2). Prerequisite, adequate background in science.
Five hours a week, second term of the summer semester. Dr. ———— (of the School of Public Health).

s224. SCHOOL AND COMMUNITY HYGIENE (2). Prerequisite, adequate background in science.
Five hours a week, second term of the summer semester. Dr. ———— (of the School of Public Health).

225. MODERN PROBLEMS IN PHYSICAL EDUCATION (2). Prerequisite, experience and advanced work in physical education and education.
Two hours a week, spring semester. Mr. Cornwell.

320. RESEARCH IN PHYSICAL EDUCATION (5 or 2). Prerequisite, experience and advanced work in the field.
Five hours a week, spring semester; or five hours a week, first term of the summer semester. Messrs. Cornwell, Siewert.

341abc. SEMINAR COURSE (3 each semester). Prerequisite, adequate training and experience, and consent of the instructor.
Three hours a week, winter, spring and summer semesters. Messrs. Cornwell, Siewert, Dr. ————.

*DEPARTMENT OF PHYSICS

Professors: A. E. RUARK (absent on leave) OTTO STUHLMAN, JR., KARL H. FUSSLER, E. K. PLYLER (absent on leave)

Associate Professors: NATHAN ROSEN, P. E. SHEARIN

Assistant Professors: R. H. LYDDANE (absent on leave) J. H. STRALEY, **E. J. HELLUND.

Temporary Staff of Colleagues from other Departments of the University and other Institutions:

ROBERT W. BROWNING, M. T. CARLISLE, **ARTHUR T. CRAFTS, JOHN R. DOYLE, S. C. GLADDEN, W. D. HARRELL, GEORGE HENRY, **F. H. HUNTER, J. STANLEY JOHNSON, **E. C. LEONARD, C. S. MAURICE, HARVEY MORRISON, W. S. PLYMALE, ARTHUR WALTNER.

Instructors: **GEORGE JENKINS, J. G. MCALLISTER, JR., HENRY ZATZKIS

Part-time Instructor: NORRIS H. BARBRE

Technician: NESTORE D. COSTANZO

Courses for Undergraduates

1-2, for V-12 or Civilian Students (10). No prerequisite.

NOTE: Both parts must be completed in order to receive any credit.

Covers General Physics in two semesters. Physics 1 covers mechanics, heat and sound, and Physics 2 covers electricity and magnetism, optics and special topics, substantially in accordance with official V-12 course description.

Two lecture, two recitation, and two laboratory hours a week, winter and spring semesters. Laboratory fee $4.00 a semester. Lectures and recitations, Messrs. Stuhlman, Shearin, Johnson, Carlisle, Morrison, Doyle, Maurice, Zatzkis. Laboratory: Mr. Fussler and staff.

4A. HEAT AND THERMODYNAMICS (4). (May be substituted for Physics 56). Prerequisite, one year of general college physics; corequisite, calculus, M-5, Text: Young and Young, *Elementary Engineering Thermodynamics.*

Two lecture, one recitation, and two laboratory hours a week. winter and spring semesters. Messrs. Straley, Henry, Morrison.

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*For A.B. with Major in Physics (Math 1-2-3, Chemistry 1-2-3, Physics 1-2 or 24-25, and Math. 21-22-23, should have been completed in the General College); six courses in physics, six courses in other natural sciences including Math. 141 and, for students with mathematical tendencies, one other course in mathematics, or for students with experimental tendencies, courses in chemistry and biology; six electives from Departments not in the Division of the Natural Sciences with English 59 and Philosophy 141 strongly recommended.

For S.B. in Physics the student should take in the General College: Physics 1-2 or 24-25; 52; 56; 54; Math. 1-2-3 and 31-32-33; two years of English, two of French or German, and Social Science 1-2-3. In the junior and senior years he should take Physics 53; 55; 42 or 58; Math. 41 and 141; Chemistry 1-2-3; English 59; five and one-half electives; five to six additional courses in chemistry, mathematics, and physics.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 190.

** Resigned November 1, 1944.

5A. ELECTRICITY AND MAGNETISM (3). (May be substituted for Physics 55). Prerequisite, one year of general physics; corequisite, calculus, M-5.

Two recitation and three laboratory hours a week, spring or summer semester. Laboratory fee $3.00. Texts: Blalock, *Elements of Electrical Circuits and Machinery,* Smith, *Electrical Measurements in Theory and Application.*

The lectures and laboratory work steer a middle course between the customary half-year courses given by Physics departments and Electrical Engineering departments. Electrostatics, magnetostatics, electrodynamics, D. C. circuits and equipment; single phase and polyphase A. C. circuits and equipment. Messrs. Plymale, Gladden, Waltner.

4-5 DESCRIPTIVE PHYSICS (8). No prerequisite.

NOTE: This course will not be offered again until Physics 1-2 has been discontinued.

Lectures: Mr. Fussler; Laboratory: Mr. Fussler and staff.

Three lecture and two laboratory hours a week. Laboratory fee, $4.00 a semester.

11. RADIO COMMUNICATIONS (3). No prerequisite.

Texts: *Elements of Radio,* Marcus and Horton, and *Basic Radio Principles,* Suffern.

Non-mathematical introduction to radio principles underlying reception and transmission, with emphasis on practical communications equipment. Final credit will be given on the basis of proficiency in receiving International Morse Code as well as for an understanding of basic principles.

Three hours a week, each semester. Mr. McAllister.

24-25 GENERAL PHYSICS (8). Prerequisite, Freshman Mathematics.

NOTE: Both parts must be completed in order to receive any credit.

Three lecture and two laboratory hours a week, winter and spring semesters. Laboratory fee $4.00 a semester. Lecture: Messrs. Stuhlman, Shearin, Fussler. Laboratory: Mr. Fussler and staff.

41. ASTRONOMY (3).

Three hours a week with occasional observations, spring semester. Mr. Fussler.

42. RADIO (3). Prerequisite, Physics 5A or 55.

Two lecture and three laboratory hours a week, upon application of a sufficient number of students. Laboratory fee $3.00. Mr. Rosen.

45. PHOTOGRAPHY (3).

Two lecture and three laboratory hours a week. Laboratory fee $5.00. Mr. Shearin.

51. X-RAY TECHNIQUE: BIOPHYSICS (5). Prerequisite, one year of general college physics.

Primarily for premedical or predental students, or medical technologists. May be used as a third or fourth year elective for S. B. in Medical Technology.

Two lecture and six laboratory hours a week, spring semester. Laboratory fee, $15.00. Mr. Stuhlman.

52. MECHANICS (4). Prerequisite, one year of college physics.
Three lecture and three laboratory hours a week, winter semester. Laboratory fee, $3.00. Mr. Fussler.

53. OPTICS (4). Prerequisite, one year of general physics.
Three lecture and three laboratory hours a week, winter semester. Laboratory fee, $3.00. Mr. Stuhlman.

54. MODERN DEVELOPMENTS IN PHYSICS (3). Prerequisite, one year of college physics.
Three hours a week, upon application of a sufficient number of students. Mr. Shearin.

55. ELECTRICITY AND MAGNETISM (4).
NOTE: This course will not be offered again until Physics 5A is discontinued (see Physics 5A).
Prerequisite, one year of college physics.
Three lecture and three laboratory hours a week. Laboratory fee $3.00. Mr. Rosen.

56. HEAT (4).
NOTE: This course will not be offered again until Physics 4A is discontinued (See Physics 4A).
Prerequisite, one year of college physics.
Three lecture and three laboratory hours a week. Laboratory fee, $3.00.

57. BIOPHYSICS (4). Prerequisite, one year of college physics.
Primarily for premedical students and medical technologists.
Three lecture and three laboratory hours a week, winter semester. Laboratory fee $3.00. Mr. Stuhlman.

58. SOUND (4). Prerequisite, one year of general physics and Physics 55 or 52.
Three lecture and two laboratory hours a week, upon application of a sufficient number of students. Laboratory fee, $3.00. Mr. Shearin.

91, 92. RESEARCH FOR SENIORS (3 each).
Laboratory fee, $5.00 each semester. Messrs. Fussler, Stuhlman, Rosen, Shearin, Straley.

NOTE: Courses in Directed Teaching of High School Science and in Materials and Methods of Teaching High School Science will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

101, 102. INTRODUCTION TO MATHEMATICAL PHYSICS (5 each) (Equivalent to 101, 102, 103 given on quarter system). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56, 58. Mathematics 141 is desirable, but may be taken concurrently.
Five hours a week, winter and spring semesters. Mr. Rosen.

120. HEAT AND THERMODYNAMICS (4). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56, 58.
Three lecture and two laboratory hours a week, upon application of a sufficient number of students. Laboratory fee $3.00. Mr. Straley.

140. ADVANCED ELECTRICITY AND MAGNETISM (3). Prerequisite, Calculus and one of the following: Physics 55 or 155.
Three hours a week. Mr. Ruark.

141. ADVANCED ELECTRICITY AND MAGNETISM (4). Prerequisite, Physics 140.
Three lecture and two laboratory hours a week. Laboratory fee, $3.00. Mr. Ruark.

150. PHYSICAL OPTICS (3). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.
Three hours a week, spring semester. Mr. Shearin.

153. OPTICS (4). Prerequisite, one year of general college physics.
Three lecture and two laboratory hours a week, winter semester. Laboratory fee, $3.00. Mr. Stuhlman.

155. ELECTRICITY AND MAGNETISM (4). Prerequisite, one year of general college physics.
Three lecture and two laboratory hours a week, upon application of a sufficient number of students. Laboratory fee $3.00. Mr. Rosen.

160. ELECTRONICS AND ATOMIC PHYSICS (3). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.
Three hours a week. Mr. Stuhlman.

161. RADIOACTIVITY (3). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.
Three hours a week. Mr. Shearin.

170. X-RAYS (3). Prerequisite, Calculus and Physics 53, 55, and 130, except by permission. Not offered in 1944-1945.
Three hours a week.

Courses for Graduates

NOTE: The following courses will be offered only as circumstance permit or require.

201. BOUNDARY PROBLEMS IN CLASSICAL PHYSICS (3). Prerequisite, Mathematics 141, 171; Physics 140 and 101; Mathematics 221 is desirable.
Three hours a week. Mr. Rosen.

220. KINETIC THEORY (3). Prerequisite, Mathematics 141; Physics 120, except by permission.
Three hours a week. Mr. Ruark.

221. STATISTICAL MECHANICS (3). Prerequisite, Mathematics 141; Physics 120, 220, except by permission.
Classical and quantum statistics. Text: Kennard, *Statistical Mechanics. Three hours a week.* Mr. Ruark.

260. ATOMIC AND MOLECULAR STRUCTURE (3). Prerequisite, Calculus; Physics 53 (or 153), 101, 160, except by special permission. *Three hours a week.* Mr. Rosen.

261. QUANTUM MECHANICS, PART I (3). Prerequisite, Mathematics 141; Physics 260. Mathematics 221 is desirable.
Three hours a week. Mr. Rosen.

262. QUANTUM MECHANICS, PART II (3). Prerequisite, Physics 261.
Three hours a week. Mr. Rosen.

267. CURRENT ADVANCES IN PHYSICS (3). Prerequisite, Mathematics 141; Physics 160.
Three hours a week. Mr. Shearin.

271. THEORY OF THE SOLID AND LIQUID STATES (3). Prerequisite, Mathematics 141; Physics 120.
Three hours a week. Mr. Rosen.

301. RESEARCH (3 or more).
Seven or more laboratory or computation hours a week. Any member of the graduate professional staff.

NOTE: Advanced instruction in Dynamics is provided by Mathematics 216 (Mr. Hobbs), which may be taken for credit in either mathematics or physics.

DEPARTMENT OF PHYSIOLOGY

Kenan Professor Emeritus: I. H. MANNING
Professor: J. H. FERGUSON
Associate Professors: A. T. MILLER, E. P. HIATT.
Instructor: VIRGINIA SUHRIE
Technician: R. S. SPARROW

51. GENERAL COURSE IN PHYSIOLOGY 1 (4). Prerequisite, general courses in zoology and chemistry. *Elective.
Two lecture and four laboratory hours a week, spring semester. Laboratory fee, $5.00. Messrs. Ferguson, Miller, Hiatt.

**141. PHYSIOLOGY OF MUSCLE, NERVE, AND CIRCULATION (5 quarter hours). Prerequisite, consult the instructors. *Elective.
Three lecture and four laboratory hours a week, second quarter. Laboratory fee for non-medical students, $5.00. Messrs. Ferguson, Miller, Hiatt, and staff.

**142. GENERAL COURSE IN PHYSIOLOGY II (12 quarter hours). Prerequisite, consult the instructors. *Elective.
Six lecture and twelve laboratory hours a week, third quarter. Laboratory fee for non-medical students, $10.00. Messrs. Ferguson, Miller, Hiatt, and staff.

Courses for Graduates

**201. ENDOCRINOLOGY (5 quarter hours). Prerequisite, Physiology 141 and 142.
Three lecture and four laboratory hours a week, first or second quarter. Laboratory fee, $10.00. Messrs. Ferguson, Miller, Hiatt, and staff.

**202. BLOOD (5 quarter hours). Available to selected students.
Three lecture and four laboratory hours a week, first or second quarter. Laboratory fee, $10.00. Mr. Ferguson.

**206. NEUROPHYSIOLOGY (5 quarter hours). Prerequisite, Physiology 141 and 142; Anatomy 101 or equivalent.
Three lecture and four laboratory hours a week, first or second quarter. Laboratory fee, $10.00. Messrs. Ferguson, Miller, Hiatt, and staff.

**211. RESPIRATION, ACID-BASE BALANCE AND ELECTROLYTE DISTRIBUTION (5 quarter hours). Prerequisite, Physiology 141, 142; Biological Chemistry 102 and 103.
Three lecture and four laboratory hours a week, first or second quarter. Laboratory fee, $10.00. Messrs. Miller, Hiatt.

**301, 302, 303. RESEARCH IN PHYSIOLOGY (5 or more quarter hours). Hours to be arranged with instructor. *First, second, and third quarters. Laboratory fee, $5.00.* Messrs. Ferguson, Miller, Hiatt, and staff.

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* Before registering for this work the academic student must secure the permission of his Dean.
** First, second, and third quarters are with reference to the quarters in the session of the School of Medicine.

*DEPARTMENT OF POLITICAL SCIENCE

Professors: C. B. ROBSON, W. W. PIERSON, E. J. WOODHOUSE, **K. C. FRAZER, R. D. W. CONNOR, P. W. WAGER

Associate Professors: **W. S. JENKINS, ***J. W. FESLER, ERVIN HEXNER

Assistant Professor: ***E. A. MAUCK

Teaching Fellow: MAVIS A. MANN

Assistant: GORO A. DEEB

Courses for Undergraduates

41. GOVERNMENT IN THE UNITED STATES (3). Sophomore elective.
Three hours a week, each semester. Messrs. Robson, Connor, Woodhouse, Wager, Miss Mann.

42. PROCESSES AND PROBLEMS OF GOVERNMENT IN THE UNITED STATES (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, each semester. Messrs. Robson, Woodhouse.

51. THE FEDERAL GOVERNMENT (3).
Credit may not be obtained for 51 by students who offer 41 for credit. Not offered in 1944-1945.
Three hours a week. Mr. ————

52. THE GOVERNMENTS OF EUROPE (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, winter semester. Mr. Hexner.

53. GOVERNMENT AND POLITICS IN EASTERN ASIA (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Hexner.

81. AMERICAN STATE GOVERNMENT (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, each semester. Messrs. Wager, Connor.

86. INTERNATIONAL RELATIONS AND WORLD POLITICS (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, each semester. Messrs. Hexner, Robson.

Courses for Graduates and Advanced Undergraduates

101. PUBLIC ADMINISTRATION (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, winter semester. Mr. Wager.

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* The requirements for A.B. with a major in Political Science are Political Science 41-42 or 51-52, and six additional courses. These six courses must be approved by the departmental adviser on the basis of the following plan: there must be distribution among at least four of the groups into which the advanced courses offered by the department fall, namely: (1) local, state, and federal government in the United States; (2) foreign governments; (3) political theory and jurisprudence; (4) international politics; and (5) public law and administration.

** Absent on leave in military service.

*** Absent on leave in government service.

105. (225) PUBLIC PERSONNEL ADMINISTRATION (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Wager.

121. THE GOVERNMENT OF ENGLAND (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, winter semester. Mr. Robson.

123. COMPARATIVE GOVERNMENT (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, summer semester. Mr. Hexner.

124. THE ELEMENTS OF JURISPRUDENCE (3). Prerequisite, Political Science 41 or equivalent.
Not offered in 1944-1945.
Three hours a week. Mr. Hexner.

127. GOVERNMENT OF LATIN-AMERICAN STATES (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Pierson.

132. AMERICAN MUNICIPAL GOVERNMENT (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Woodhouse.

133. AMERICAN MUNICIPAL ADMINISTRATION (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, winter semester. Mr. Woodhouse.

134. COUNTY GOVERNMENT AND ADMINISTRATION (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, winter semester. Mr. Wager.

141. INTRODUCTION TO INTERNATIONAL LAW (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, winter semester. Mr. Hexner.

142. INTERNATIONAL ORGANIZATION AND INSTITUTIONS (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Hexner.

144. THE ORGANIZATION AND CONDUCT OF THE FOREIGN RELATIONS OF THE UNITED STATES (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Robson.

151. THE ELEMENTS OF POLITICAL SCIENCE (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, winter semester. Mr. Pierson.

154. DEVELOPMENT OF THE ENGLISH CONSTITUTION (3). Prerequisite, Political Science 41 or equivalent.
Not offered in 1944-1945.
Three hours a week. Mr. ————.

155. THE CONSTITUTION OF THE UNITED STATES (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Woodhouse.

156. CONTEMPORARY PROBLEMS IN GOVERNMENT (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, winter semester. Mr. Woodhouse.

157. HISTORICAL JURISPRUDENCE I (3). Prerequisite, Political Science 41 or equivalent.
Not offered in 1944-1945.
Three hours a week. Mr. Woodhouse.

158. HISTORICAL JURISPRUDENCE II (3). Prerequisite, Political Science 41 or equivalent.
Not offered in 1944-1945.
Three hours a week. Mr. Woodhouse.

159. THE BRITISH EMPIRE (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Robson.

165 (153). POLITICAL THOUGHT OF THE EIGHTEENTH CENTURY (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, summer semester. Mr. Pierson.

166. RECENT AND CONTEMPORARY POLITICAL THOUGHT (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Robson.

175. POLITICAL PARTIES AND PUBLIC OPINION (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester, Mr. Woodhouse.

181. RECENT NATIONAL POLICY AND ADMINISTRATION (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, winter semester. Mr. Robson.

185. FINANCIAL ADMINISTRATION (3). Prerequisite, Political Science 41 or equivalent.
Three hours a week, spring semester. Mr. Wager.

191. PUBLIC FINANCE (Same as Economics 141) (3).
Three hours a week, each semester. Mr. Heer (of the Department of Economics).

192. PROBLEMS IN FEDERAL FINANCE (Same as Economics 142) (3).
Three hours a week, spring semester. Mr. Heer (of the Department of Economics).

193. PROBLEMS IN STATE AND LOCAL FINANCE (Same as Economics 143) (3).
Three hours a week, winter semester. Mr. Heer (of the Department of Economics).

197. GOVERNMENT AND BUSINESS (Same as Economics 197) (3).
Three hours a week, spring semester. Mr. Hobbs (of the Department of Economics).

Courses for Graduates

210. PUBLIC ADMINISTRATION OF RESOURCES (3).
Three hours a week, spring semester. Mr. Wager.

221. ADMINISTRATIVE LAW (3).
Three hours a week. Mr. ————.
Not offered in 1944-1945.

231. THE LEGISLATIVE PROCESS (3).
Three hours a week. Mr. ————.
Not offered in 1944-1945.

235. THE JUDICIAL PROCESS (3).
Three hours a week. Mr. ————.
Not offered in 1944-1945.

241. INTERNATIONAL LAW (3).
Three hours a week. Mr. Hexner.
Not offered in 1944-1945.

301ab. MODERN INTERNATIONAL RELATIONS (6).
Conferences, three hours a week, each semester. Mr. Hexner.

305. SEMINAR IN COUNTY ADMINISTRATION (3).
Three hours a week, winter semester. Mr. Wager.

311ab. AMERICAN POLITICAL THEORY (6).
Conferences, three hours a week, each semester. Mr. Pierson.

321ab. STATE AND LOCAL GOVERNMENT (6).
Conferences, three hours a week, each semester. Mr. Woodhouse.

341. SEMINAR COURSE (3).
A research course in a special field under the direction of a member of the department.

*DEPARTMENT OF PSYCHOLOGY

Professors: J. F. DASHIELL, H. W. CRANE, ENGLISH BAGBY
Associate Professors: ‡R. J. WHERRY, †ALPHA B. WETTACH
Assistant Professors: ‡A. G. BAYROFF, W. J. DANIEL
Instructors: MARGARET ASHBY, M. J. WHITE, DOROTHY B. GRAY, B. M. DRUCKER, JERRY DANIEL, MARY MARTIN
Teaching Fellow: SHIRLEY LIDDELL
Assistants: FRANCES C. ELLIS, BETTY GRAVATT, WILLIAM PARKER

Courses for Undergraduates

PS1. ELEMENTARY PSYCHOLOGY FOR SERVICE STUDENTS (3).
Three hours a week, winter, or spring, or summer semester. Mr. Bagby, Miss Gravatt.

PS1ab. ELEMENTARY PSYCHOLOGY FOR SERVICE STUDENTS (4).
Two hours a week for two semesters, winter, spring, and summer semesters. Mr. Bagby, Mrs. Daniel, Miss Gravatt.

NOTE: Courses PS1 and PS1ab are not satisfactory prerequisite work for advanced courses in the department which are to be taken for academic credit.

**24-25. GENERAL PSYCHOLOGY (8).
Three lecture and two laboratory hours a week, winter and spring semesters. Ten lecture and six laboratory hours a week, fall short term (24 only). *Laboratory fee, $3.00 a semester.* Messrs. Wherry, Dashiell, Daniel. Laboratory: Messrs. Dashiell and White, Misses Ashby and Gray.

NOTE: General Psychology is prerequisite for all other courses in the department.

28. ESSENTIALS OF PSYCHOLOGY FOR PRE-MEDICAL STUDENTS (4). Open only to pre-medical, pre-dental, and pre-nursing students. Not satisfactory prerequisite work for other courses in psychology.
Three lecture and two laboratory hours a week, winter or spring semester. Laboratory fee, $3.00. Lectures: Messrs. Dashiell, Crane. Laboratory: Miss Ashby.

40. THE PSYCHOLOGY OF PERSONALITY (3).
Three hours a week, winter semester. Mr. Bagby.

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* For students planning a major in Psychology: (a) courses in mathematics, in physiology, in physics or zoology, and in economics, are strongly advised; (b) credits for lectures only in general psychology when taken at another institution, must be supplemented by the laboratory work of courses 24-25 (with credit).

** For students without majors in Psychology: credit for lectures only when taken at another institution, may not be counted toward partial satisfaction of the requirement of a Natural Science.

‡ Absent on leave in government service.

† On temporary appointment.

Courses for Graduates and Advanced Undergraduates

122. LEARNING PROCESSES (3).
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Messrs. Dashiell, Daniel, Miss Ellis.

125. ANIMAL BEHAVIOR (3).
Two lecture and two laboratory hours a week, spring semester. Laboratory fee, $2.00. Messrs. Daniel, White.

126. CHILD DEVELOPMENT (3).
Two lecture and two laboratory hours a week, spring semester. Ten lecture and four laboratory hours a week, fall short term (1944 only). Laboratory fee. $1.50. Messrs. Dashiell, White, Mrs. Wettach.

130. ELEMENTARY PSYCHOLOGICAL STATISTICS (3).
Two lecture and three laboratory hours a week, winter semester. Laboratory fee, $1.00. Messrs. Wherry, Drucker, Miss Liddell.

133. SOCIAL PSYCHOLOGY (3).
Two lecture and two laboratory hours a week, spring semester. Laboratory fee, $1.00. Mr. Dashiell, Miss Ashby.

135. PERSONAL AND PUBLIC ECONOMIC RELATIONS (3).
Two lecture and two laboratory hours a week, spring semester. Laboratory fee, $1.50. Mr. Wherry, Miss Gray.

144. MENTAL HYGIENE (3).
Three hours a week, winter semester. Six hours a week, fall short term. Mr. Crane.

145. FEEBLE-MINDEDNESS (3).
(1945-1946 and alternate years.) *Three hours a week, winter semester. Laboratory fee, $1.00.* Mr. Crane.

146. PSYCHONEUROSES AND PSYCHOSES (3).
Three hours a week, spring semester. Mr. Crane.

147. METHODS OF MENTAL EXAMINATION (3).
Two lecture and two laboratory hours a week, winter semester. Laboratory fee, $3.00. Mr. Crane, Misses Liddell and Ellis.

148, 149. CLINICAL PRACTICE (3 each). Prerequisite, Psychology 147.
Six laboratory hours a week, winter and spring semesters. Laboratory fee, $3.00 a semester. Mr. Crane.

151, 152. ORIGINAL PROBLEMS (3 each).
One lecture and five laboratory hours a week, winter and spring semesters. Laboratory fee, $3.00 a semester. Messrs. Dashiell, Crane, Bagby, Wherry, Daniel.

171. MOTIVATION (3).
(1946-1947 and alternate years.) *Three hours a week, winter semester.* Messrs. Dashiell, Daniel.

181. LABORATORY ANALYSIS IN PERSONNEL PSYCHOLOGY (3). Advised corequisite, Psychology 135 or Commerce 155.
Six laboratory hours a week, spring semester. Laboratory fee, $3.00. Mr. Wherry, Misses Gray and Martin.

191. HISTORICAL SURVEY OF PSYCHOLOGY (3).
(1946-1947 and alternate years. *Three hours a week, winter semester.* Mr. Dashiell.

192. CONTEMPORARY PSYCHOLOGICAL TRENDS (3).
(1945-1946 and alternate years. *Three hours a week, winter semester.* Mr. Dashiell.

Courses for Graduates

201, 202. EXPERIMENTAL METHODS AND PROCEDURES (3 each).
Courses 201 and 202 to be offered in alternate years. *One lecture and six laboratory hours a week, winter semester. Laboratory fee, $3.00.* Messrs. Daniel, White.

205. PHYSIOLOGICAL PSYCHOLOGY (3).
(1944-1945 and alternate years.) *One lecture and six laboratory hours, a week, spring semester. Laboratory fee, $3.00.* Mr. Crane.

230. ADVANCED PSYCHOLOGICAL STATISTICS (3).
(1945-1946 and alternate years.) *Two lecture and three laboratory hours a week, spring semester. Laboratory fee, $1.00.* Messrs Wherry, Drucker.

234. MATHEMATICAL PSYCHOLOGY (3).
(1946-1947 and alternate years.) *Two lecture and two laboratory hours a week, spring semester.* Mr. Wherry.

251, 252. RESEARCH IN PSYCHOLOGY (3 each). Prerequisite, Psychology 201 or 202.
Six laboratory hours a week, winter and spring semesters. Laboratory fee, $3.00 a semester. Messrs. Dashiell, Crane, Wherry, Daniel.

325. SEMINAR (2).
Two hours a week, winter or spring semester, to be specially announced. Messrs. Dashiell, Wherry, Daniel.

341-342. ADVANCED RESEARCH (3).
Six laboratory hours a week, any two semesters. Messrs. Dashiell, Crane, Wherry, Daniel.

The student is referred also to courses in Educational Psychology, Statistics, Neurology, and Personnel, listed in other departments of the University.

DEPARTMENT OF ROMANCE LANGUAGES

Professors: W. M. DEY, S. E. LEAVITT, U. T. HOLMES, N. B. ADAMS, H. R. HUSE, *J. C. LYONS (Secretary), R. S. BOGGS, *S. A. STOUDEMIRE, *W. L. WILEY

Associate Professor: H. H. STAAB

Assistant Professors: *R. W. LINKER, A. G. ENGSTROM (Acting Secretary).

Instructors: *J. E. CARROLL, *W. D. CREECH, *W. A. McKNIGHT, *R. D. WHICHARD, *E. F. MOYER, *R. G. LEWIS, *J. J. GUILBEAU, *F. M. DUFFEY, W. G. BURKS, *J. W. WHITTED, *D. H. WALTHER, *G. R. KEYS, *W. S. WOODS, *J. W. BANNER, *W. E. STRICKLAND, *J. D. FROST, W. R. LANSBERG, *G. W. POLAND, J. M. SMITH, JR., G. R. HERNÁNDEZ, *D. W. McPHEETERS, *M. D. RAMÍREZ, C. A. CLAUDEL, J. E. KELLER, J. MIRANDA, R. N. ANDES, R. BAESSA.

Teaching Fellows: THELMA THOMPSON, MARGARET HORTON, ELOISE BAYNES.

Research Assistant: CAROLINE WINSTON.

**FRENCH

Courses for Undergraduates

L 1-2-3-4 (1-2-3, 11-12-13). ELEMENTARY AND INTERMEDIATE FRENCH (6).

†No credit is given for Elementary French. Completion through French 4 gives credit for Intermediate French. *Three hours a week, through four semesters or in the double courses (L 1-2, L 3-4) six hours a week, through two semesters.* Messrs. Staab, Engstrom, Lansberg, Smith, Claudel, Andes.

Note: No student is permitted to take French 1, 2, 3, or 4 and Spanish 1, 2, 3, or 4 at the same time.

Attention is called to French 14X-15X, designed for advanced students who have fulfilled the requirements in another foreign language.

L 6-7 (21-22-23). ADVANCED FRENCH (6). Prerequisite, Intermediate French.

Sophomore elective. *Three hours a week, through two semesters.* Messrs. Dey, Huse, Engstrom, Lansberg, Smith, Andes.

14X-15X (14-15-16). SPECIAL COURSE FOR ADVANCED STUDENTS (6).

Elective. *Three hours a week, through two semesters.* Messrs. Huse, Engstrom.

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* Absent on leave in service.

** Students interested in having a major in French will please consult Dr. A. G. Engstrom, Departmental Adviser.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 190.

† A student who has had L-1 may take the double course, L 2-3, followed by L 4 to complete the requirements through Intermediate French.

17X-18X (17-18-19). TRAINING IN TRANSLATION. No credit. Prerequisite, Intermediate French.
A course for students in the School of Commerce. *Three hours a week, through two semesters.* Mr. Lansberg.

51. FRENCH CONVERSATION AND COMPOSITION (3). Prerequisite, Advanced French.
Three hours a week, any semester. Mr. Huse.

52. FRENCH CIVILIZATION (3). Prerequisite, French 51.
Three hours a week, any semester. Mr. Huse.

55. REVIEW OF GRAMMAR AND SYNTAX (3). Prerequisite, Advanced French.
Three hours a week, winter semester. Mr. ————.

60. §COMMERCIAL FRENCH (3). Prerequisite, Advanced French.
Three hours a week, spring semester. Mr. Staab.

71. SURVEY OF FRENCH LITERATURE I (3). Prerequisite, Advanced French.
Open to juniors and seniors. *Three hours a week, any semester.* Mr. Engstrom.

72. SURVEY OF FRENCH LITERATURE II (3). Prerequisite, French 71.
This course is a continuation of French 71. Open to juniors and seniors. *Three hours a week, any semester.* Mr. Engstrom.

Note: Courses in Directed Teaching of High School French and in Materials and Methods of Teaching High School French will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

109. THE FRENCH NOVEL (3). Prerequisite, French 72.
(1944-1945 and alternate years.) *Three hours a week, winter semester.* Mr. Dey.

115. FRENCH LYRIC POETRY (3). Prerequisite, French 72.
Three hours a week, spring semester. Mr. Huse.

126. HISTORY OF THE FRENCH LANGUAGE (3). Prerequisite, French 72.
(1944-1945 and alternate years.) *Three hours a week, winter semester.* Mr. Holmes.

131. THE FRENCH DRAMA PRIOR TO 1700 (3). Prerequisite, French 72.
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Engstrom.

132. THE FRENCH DRAMA SINCE 1700 (3). Prerequisite, French 72.
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Huse.

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§ This course is practically the former French 24 adapted to the needs of advanced undergraduates.

145. FRENCH PHONETICS (3). Prerequisite, French 72.
Three hours a week, winter semester. Mr. Dey.

161. THE SIXTEENTH CENTURY (3). Prerequisite, French 72.
Three hours a week, spring semester. Mr. Holmes.

171. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY I (3). Prerequisite, French 72.
(1944-1945 and alternate years.) *Three hours a week, winter semester.* Mr. Huse.

172. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY II (3). Prerequisite, French 72.
(1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Huse.

181. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY (3). Prerequisite, French 72.
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Huse.

191. FRENCH ROMANTICISM (3). Prerequisite, French 72.
(1944-1945 and alternate years.) *Three hours a week, winter semester.* Mr. Dey.

192. FRENCH LITERATURE SINCE 1850 (3). Prerequisite, French 72.
(1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Dey.

CELTIC 105. OLD IRISH (3).
Three hours a week, winter semester. Mr. Holmes.

Courses for Graduates

220 VULGAR LATIN (3).
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Holmes.

221X-222X (221-222-223). OLD FRENCH (10).
Five hours a week, winter and spring semesters. Mr. Holmes

225. PROVENÇAL (3).
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Holmes.

231. FRENCH SYNTAX (3).
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Dey.

248. FRENCH LITERATURE OF THE 14th AND 15th CENTURIES (3). Prerequisite, French 221 or 265.
(1944-1945 and alternate years.) *Three hours a week, winter semester.* Mr. Holmes.

265-266. FRENCH LITERATURE OF THE RENAISSANCE (6).
(1945-1946 and alternate years.) *Three hours a week, winter and spring semesters.* Mr. Lyons.

324abc. ROMANCE PALEOGRAPHY (4).
Not offered in 1944-1945.
Two hours a week, winter and spring semesters. Mr. Linker.

331. HISTORY OF FRENCH LITERATURE PRIOR TO 1300 (3). French 221 is desired, though not prerequisite. (1944-1945 and alternate years. *Three hours a week, winter semester.* Mr. Holmes.

391. STUDIES IN ROMANTICISM (3). Prerequisite, French 191. (1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Dey.

395. RESEARCH (3).
Research in a special field under the direction of a member of the department.

PORTUGUESE

Courses for Undergraduates

51-52. ELEMENTARY PORTUGUESE (6). Prerequisite, Intermediate French or Spanish.
Three hours a week, winter and spring semesters. Mr. ————.

Course for Graduates

221. OLD PORTUGUESE (3).
(1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Holmes.

*SPANISH

Courses for Undergraduates

L 1-2-3-4. (1-2-3, 11-12-13). ELEMENTARY AND INTERMEDIATE SPANISH (6).
No credit is given for Elementary Spanish. Completion through Spanish 4 gives credit for Intermediate Spanish. *Three hours a week, through four semesters* or *in the double courses (L 1-2, L 3-4) six hours a week, through two semesters.* Messrs. Adams, Boggs, Hernández, Keller, Miranda, Baessa.

NOTE: No student is permitted to take Spanish 1, 2, 3, or 4 and French 1, 2, 3, or 4 at the same time.
Attention is called to Spanish 14X-15X, designed for advanced students who have fulfilled the requirements in another foreign language.

L 6-7 (21-22-23). ADVANCED SPANISH (6). Prerequisite, Intermediate Spanish.
Sophomore elective. *Three hours a week, through two semesters.* Messrs. Leavitt, Burks, Hernández, Miranda, Baessa.

14X-15X (14-15-16). SPECIAL COURSE FOR ADVANCED STUDENTS (6).
Elective. *Three hours a week, through two semesters.* Mr. Hernández.

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* Students interested in having a major in Spanish will please consult Dr. S. E. Leavitt, Departmental Adviser.

51. SPANISH CONVERSATION AND COMPOSITION (3). Prerequisite, Advanced Spanish.
Three hours a week, every semester. Messrs. Hernández, Baessa.

52. SPANISH CIVILIZATION (3). Prerequisite, Spanish 51.
Three hours a week, any semester. Messrs. Hernández, Baessa.

60. **COMMERCIAL SPANISH (3). Prerequisite, Advanced Spanish.
Three hours a week, spring semester. Mr. Hernández.

71. SURVEY OF SPANISH LITERATURE TO 1700 (3). Prerequisite, Advanced Spanish.
Open to juniors and seniors. *Three hours a week, any semester.* Mr. Burks.

72. SURVEY OF SPANISH LITERATURE SINCE 1700 (3). Prerequisite, Spanish 71.
This course is a continuation of Spanish 71. Open to juniors and seniors.
Three hours a week, any semester. Mr. Burks.

NOTE: Courses in Directed Teaching of High School Spanish and in materials and Methods of Teaching High School Spanish will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

109. EARLY SPANISH PROSE FICTION (3). Prerequisite, Spanish 72.
(1944-1945 and alternate years.) *Three hours a week, winter semester.* Mr. Adams.

110. THE SPANISH NOVEL—1605-1898 (3). Prerequisite, Spanish 72.
(1944-1945 and alternate years.) *Three hours a week, winter semester.* Mr. Adams.

111. MODERN SPANISH NOVELISTS (3). Prerequisite, Spanish 72.
(1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Adams.

112. THE NOVEL IN SPANISH AMERICA (3). Prerequisite, Spanish 72.
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Leavitt.

115. EARLY LYRIC POETRY (3). Prerequisite, Spanish 72.
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Adams.

116. MODERN LYRIC POETRY (3). Prerequisite, Spanish 72.
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Adams.

117. CERVANTES (3). (Comparative Lieterature 117).
Credit in Spanish is given upon approval of the instructor. *Three hours a week, spring semester.* Mr. Stoudemire.

** This course is practically the former Spanish 24 adapted to the needs of advanced undergraduates.

131. LOPE DE VEGA AND HIS CONTEMPORARIES (3). Prerequisite, Spanish 72.
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Leavitt.

132. CALDERÓN AND HIS CONTEMPORARIES (3). Prerequisite, Spanish 72.
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Leavitt.

134. SPANISH DRAMA OF THE NINETEENTH CENTURY (3). Prerequisite, Spanish 72.
(1944-1945 and alternate years.) *Three hours a week, winter semester,* Mr. Leavitt.

135. MODERN SPANISH DRAMA (3). Prerequisite, Spanish 72.
(1944-1945 and alternate years.) *Three hours a week, spring semester,* Mr. Leavitt.

145. SPANISH PHONETICS (3). Prerequisite, Spanish 72.
Three hours a week, spring semester. Mr. Boggs.

Courses for Graduates

221-222. OLD SPANISH (6).
Three hours a week, winter and spring semesters. Mr. Boggs.

241. STUDIES IN SPANISH-AMERICAN LITERATURE (3).
(1944-1945 and alternate years.) *Three hours a week, spring semester,* Mr. Leavitt.

291. EARLY SPANISH LITERATURE (3). Prerequisite, Spanish 221-222.
Three hours a week, spring semester. Mr. Boggs.

393. SPANISH ROMANTICISM (3). Seminar Course.
(1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Adams.

395. RESEARCH (3).
Research in a special field under the direction of a member of the department.

ITALIAN

Courses for Udergraduates

51. ELEMENTARY COURSE (3). Prerequisite, Intermediate French or Spanish.
Three hours a week, winter semester. Mr. Huse.

52. MODERN ITALIAN LITERATURE (3). Prerequisite, Italian 51.
Three hours a week, spring semester. Mr. Huse.

Courses for Graduates and Advanced Undergraduates

131. DANTE I (3). Prerequisite, Italian 51 and 52.
(1945-1946 and alternate years.) *Three hours a week, spring semester.* Mr. Huse.

132. DANTE II (3). Prerequisite Italian 131.
(1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Huse.

156. DANTE IN ENGLISH TRANSLATION (3). (Comparative Literature 156.)
Three hours a week, spring semester. Mr. Huse.

161. ITALIAN LITERATURE OF THE RENAISSANCE (3). Prerequisite, Italian 51 and 52.
Three hours a week, winter semester. Mr. Huse.

Course for Graduates

221. OLD ITALIAN (3).
(1944-1945 and alternate years.) *Three hours a week, spring semester.* Mr. Holmes.

*DEPARTMENT OF SOCIOLOGY

Professors: H. W. ODUM, E. R. GROVES, H. D. MEYER, S. H. HOBBS, JR., R. B. VANCE, **G. B. JOHNSON, KATHARINE JOCHER, G. W. BLACKWELL

Associate Professors: L. M. BROOKS, HARRIET HERRING, **MARGARET JARMAN HAGOOD, EDITH WEBB WILLIAMS

Assistant Professor: D. S. KLAISS

Teaching Fellows: FAYE ELIZABETH HANCOCK

Assistants: HOWARD G. MCCLAIN, ROSLYN G. RIBNER

Courses for Undergraduates

Students desiring one or more elective courses in sociology may take either Sociology 51 or 52.

51. INTRODUCTION TO SOCIOLOGY (3). *Three hours a week, winter or spring semester.* Mr. Brooks; Assistants.

52. SOCIAL PROBLEMS (3). *Three hours a week, winter or spring semester.* Mr. Meyer; Assistants.

53. RURAL SOCIAL-ECONOMICS (3). *Three hours a week, winter semester.* Mr. Hobbs.

54. RURAL COOPERATION: HISTORY, PRINCIPLES, PRACTICES (3). *Three hours a week, winter semester.* Mr. Hobbs.

56 (53). HOW TO STUDY SOCIETY (3). Prerequisite, three courses in Sociology.
Three hours a week, spring semester. Mrs. Hagood; Assistants.

62. MARRIAGE (3). Open to seniors.
Three hours a week, any semester. Mr. Klaiss.

Courses for Graduates and Advanced Undergraduates

101. NORTH CAROLINA: ECONOMIC AND SOCIAL (3).
Three hours a week, spring semester. Mr. Hobbs.

102. RURAL SOCIOLOGY (71, 271abc) (3).
Three hours a week, winter semester. Mr. Hobbs.

103. HISTORY OF AGRICULTURE (3).
Three hours a week, spring semester. Mr. Hobbs.

110. RURAL LAND PLANNING AND LAND ECONOMICS (3). Prerequisite or corequisite, general economics, or Sociology 53.
Three hours a week, spring semester. Mr. Hobbs.

133. SOCIAL PSYCHOLOGY (3).
Leading topics to be: individual differences, cultural influence on personality, group effects on individual performance, competition and

* For a major in the Department Sociology 51 and 52 are prerequisite. Sociology 152 is required in addition to the preceding courses. All other courses in the major are elective. The number of courses required for a major in Sociology is six provided 51 and 52 have been completed, or eight if these preliminary courses have not been completed.

** Absent on leave 1944-1945.

cooperation, public opinion and its measurement and its manipulation, social pathologies as delinquency and war. Emphasis upon experimental and measuring devices. *Two lecture and two laboratory hours a week, spring semester.* Mr. Dashiell.

151. SOCIAL ANTHROPOLOGY (3).
Three hours a week, spring semester. Mr. Johnson; Mrs. Williams.

152. SOCIAL THEORY (3).
Three hours a week, winter or spring semester. Mr. Vance.

154. CONTEMPORARY SOCIETY (3).
Three hours a week, winter semester. Mr. Odum.

155. SOCIAL PROGRESS AND SOCIAL VALUES (3). Open to juniors and seniors.
Three hours a week, winter semester. Mr. Odum.

160. INTRODUCTION TO SOCIAL WORK (3). Credit for Sociology 193 will not be allowed if Sociology 160 is taken.
Three hours a week, winter semester. Mr. Sanders.

161. THE FAMILY (3). Open to men and women.
Three hours a week, winter semester. Mr. Klaiss.

167. THE RURAL COMMUNITY (73) (3).
Three hours a week, spring semester. Mr. Hobbs.

168. THE URBAN COMMUNITY (3).
Three hours a week, winter semester. Mr. Brooks.

169. THE INDUSTRIAL COMMUNITY (3).
Three hours a week, spring semester. Miss Herring.

171. EDUCATIONAL SOCIOLOGY (3).
(1945-1946 and alternate years.) *Three hours a week, winter semester.* Mr. Blackwell; Assistants.

173. PLAY AND RECREATION (3).
Three hours a week, spring semester. Mr. Meyer.

174. COMMUNITY LEADERSHIP (3). The focus primarily is on the small community.
Three hours a week, winter semester. Mr. Blackwell.

175. EXTRACURRICULAR ACTIVITIES (3).
Three hours a week, spring semester. Mr. Meyer.

176. RECREATION PLANNING AND RESEARCH (3).
An investigation of research possibilities in the field of recreation, with particular reference to the problem of coordinating community recreation with community resources and potentialities. Methods of study and details of program planning will be discussed. Surveys, studies, and research through field work will be conducted emphasizing the use of objective measures for determining needs and judging results.
Three hours a week, winter semester. Mr. Meyer; Assistants.

180. REGIONAL PROBLEMS AND PLANNING (3).
Three hours a week, spring semester. Mr. Odum.

181. REGIONAL SOCIOLOGY OF THE SOUTH (3).
Three hours a week, spring semester. Mr. Blackwell.

182. THE COOPERATIVE MOVEMENT (3).
Three hours a week, winter semester. Mr. Brooks.

185. THE NEGRO (3).
Three hours a week, spring semester. Mr. Odum; Mr. Johnson.

186. POPULATION (3).
Three hours a week, winter semester. Mr. Vance.

187. POPULATION STATISTICS (3). Prerequisite, Sociology 51, 52 for those with majors in sociology and permission of instructor for others.
(Alternate years). *Three lecture and two laboratory hours a week, spring semester.* Mrs. Hagood; Assistants.

191. SOCIAL STATISTICS (3). Prerequisite, three courses in Sociology.
Three lecture and two laboratory hours a week, winter semester. Mrs. Hagood; Mrs. Williams; Assistants.

192. CRIMINOLOGY (3).
Three hours a week, spring semester. Mr. Brooks.

193. SOCIAL PATHOLOGY (3). Credit for Sociology 160 will not be allowed if Sociology 193 is taken.
Three hours a week, winter semester. Mr. Meyer.

195. SOCIAL INSTITUTIONS (3).
A comprehensive and systematic study of the essential components of social institutions; their origin and development; their general and unique characteristics; their connection with social values; the interplay between individual and institutions; the factors invclved in the progressive adaptability of institutions. (1944-1945 and alternate years.)
Three hours a week, winter semester. Mr. Blackwell.

198. JUVENILE DELINQUENCY AND ITS SOCIAL TREATMENT (3).
Three hours a week, spring semester. Mr. Sanders.

Courses for Graduates

208. METHODS IN SOCIAL RESEARCH (3).
Three hours a week, winter semester. Mr. Odum; Miss Jocher.

210. FOLK SOCIOLOGY (3).
Three hours a week, spring semester. Mr. Odum.

212. CONTEMPORARY AMERICAN SOCIOLOGY (3).
Three hours a week, winter semester. Mr. Odum.

218. HUMAN ECOLOGY (3).
Three hours a week, spring semester. Mr. Vance.

230. RACE AND CULTURE CONTACTS (3).
Three hours a week, winter semester. Mr. Johnson.

253. ADVANCED SOCIAL STATISTICS (3). Prerequisite, Sociology 191.
Three lecture and two laboratory hours a week, spring semester. Mrs. Hagood; Assistants.

301, 302. (3 each). GRADUATE RESEARCH SEMINARS.
Winter and spring semesters. Mr. Blackwell.

311, 312. RURAL SOCIAL PROBLEMS (3 each).
Three hours a week, winter and spring semesters. Mr. Hobbs; Assistants.

327, 328. GRADUATE RESEARCH SEMINARS (3 each).
Three hours a week, winter and spring semesters. Mr. Odum.

332. MARRIAGE AND FAMILY COUNSELLING (3).
An analysis by the case method of domestic maladjustments based upon the problems of persons seeking assistance.
Three hours a week, spring semester. Mr. Groves.

333. EDUCATION FOR FAMILY LIFE (3).
An interpretation of important contributions of social thought concerning marriage and the family from Plato to the present. A study of educational programs for the conservation of marriage and the family.
Three hours a week, spring semester. Mr. Groves.

341. SEMINAR (3).
Individual research in a special field under the direction of a member of the department.

*DEPARTMENT OF ZOOLOGY

Professors: R. E. COKER, C. D. BEERS, D. P. COSTELLO

Associate Professors: †W. L. ENGELS, †I. C. KITCHEN, M. WHITTINGHILL

Assistant Professors: C. A. VILLEE, JR., C. S. JONES

Teaching Fellow: ROBERTA LOVELACE

Assistants: DORIS GODWIN, MARY LEE CLARY, MARGARET FREEMAN, NELL SHANKLIN, ERLE PEACOCK

Courses for Undergraduates

1. ELEMENTS OF HUMAN AND ANIMAL BIOLOGY (4). Freshman elective.

Structure and function in the human body; comparison of biological processes in man and animals; reproduction and development; elements of heredity and evolution; man's place in nature. (This course with Botany completes the freshman requirement for Biology in the General College.)

Three lecture and two laboratory hours a week, winter or spring semester. Laboratory fee $2.00. Mr. Villee.

41. FUNDAMENTALS OF ANIMAL BIOLOGY (5).

Three lecture and four laboratory hours a week, winter, spring or summer semester. Laboratory fee, $7.50. Messrs. Coker, Jones; Assistants.

42. PRINCIPLES OF ANIMAL BIOLOGY (5). Prerequisite, Zoology 41.

Three lecture and four laboratory hours a week, winter, spring, or summer semester. Laboratory fee, $7.50. Mr. Jones; Assistants.

NOTE: By special arrangement half-course credit (for 42) may be obtained by taking the lectures only.

NOTE: Courses in Directed Teaching of High School Science and in Materials and Methods of Teaching High School Science will be found under the Department of Education.

Courses for Students in Service Units

BIOLOGY I (B-1) (4).

Fundamentals of plant anatomy and physiology; elementary bacteriology; and animal parasitology.

Two one-hour lecture-recitation periods and two three-hour laboratory periods a week. Laboratory fee for civilian students, $5.00. Taught jointly by the Department of Botany and Zoology. Mr. Costello (Zoology).

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* For A.B. with major in Zoology, there are required six courses in Zoology of the level of 41 or higher, or five in Zoology with Botany 41. Six courses should be taken in other Departments of the Division of the Natural Sciences including two courses in Chemistry and two in Physics, if these have not been taken in the General College. Courses necessary to complete the required number of hours for graduation should be taken in departments outside the Division of Natural Sciences. (See also notes on page 131.) At least three courses should be taken in one Department other than Zoology either within or without the Division.

Those students who plan to teach in public high schools should read the footnote at the bottom of page 190.

† On leave in military service, since 1942.

BIOLOGY II (B-2) (4). Prerequisite, Biology I.
Study of the organ systems of chordates; their anatomy in frog and shark, their functioning particularly in regard to man. Introduction to embryology, to inheritance and evolution, and to histological techniques.
Two one-hour lecture-recitation periods and two three-hour laboratory periods a week. Laboratory fee for civilian students, $7.50. Mr. Whittinghill.

BIOLOGY III (B-3) GENERAL EMBRYOLOGY (5). Prerequisite, Biology I and II.
Study of vertebrate development; gametogenesis, fertilization, cleavage, gastrulation, development of body form, organogeny, tissue differentiation. Laboratory: details of frog, chick, and pig embryology, and introduction to embryological technique.
Three one-hour lecture-recitation periods and two three-hour laboratory periods a week. Laboratory fee for civilian students, $10.00. Mr. Jones.

BIOLOGY IV (B-4) COMPARATIVE ANATOMY AND HISTOLOGY (5). Prerequisite, Biology I and II.
Anatomy, physiology, histology, and evolution of the organ systems of the chordates. Laboratory: dissection and study of the amphioxus, lamprey, salamander, pigeon, and cat.
Three lecture-recitation periods and two laboratory periods a week. Laboratory fee for civilian students, $12.50. Mr. Villee.

Courses for Graduates and Advanced Undergraduates

103. COMPARATIVE VERTEBRATE ANATOMY (6). Prerequisite, Zoology 41 and 42.
Three lecture and six laboratory hours a week, winter, spring, or summer semester. Laboratory fee, $12.50. Mr. Villee. (Substitute course, for the time: Biology IV.)

104. VERTEBRATE EMBRYOLOGY (6). Prerequisite, Zoology 103. Students who have not had Zoology 103 may be admitted by special permission.
Three lecture and six laboratory hours a week, winter, spring or summer semester. Laboratory fee, $10.00. Mr. Jones. (Substitute course, for the time: Biology III.)

105. VERTEBRATE HISTOLOGY AND MICROTECHNIQUE (4).
One lecture and six laboratory hours a week, winter or spring semester. Laboratory fee, $10.00. Mr. Beers.

106-108. MORPHOLOGY AND CLASSIFICATION OF THE INVERTEBRATES. (10). Prerequisite, Zoology 41 and 42.
(Offered in 1944-1945 as 106-107-108, fall term, winter and spring semesters.) *Ten laboratory hours a week, winter and spring semesters. Laboratory fee, $5.00 a semester.* Mr. Beers.

109. INTRODUCTION TO HYDROBIOLOGY (4). Prerequisite, Zoology 41 and 42.
Eight laboratory hours a week, spring semester. Laboratory fee, $5.00. Mr. Coker.

110. GENERAL PARASITOLOGY (4). Prerequisite, Zoology 41 and 42.
Two lecture and four laboratory hours a week, spring semester. Laboratory fee, $5.00. Mr. Costello.

111. GENETICS (4). Prerequisite, Zoology 41 and 42 or equivalent.
Two lecture and four laboratory hours a week, winter semester. Laboratory fee, $5.00. Mr. Whittinghill.

112. VERTEBRATE FIELD ZOOLOGY (5). Prerequisite, Zoology 41 and 42.
Ten laboratory hours a week, spring semester. Laboratory fee, $5.00.
(Not offered, 1944-1945).

115. STATISTICAL METHODS IN BIOLOGY (3).
Prerequisite, Freshman mathematics. *Two lecture and two laboratory hours a week, spring semester. Laboratory fee, $2.00.* Mr. Villee.

Courses for Graduates

209-211. EXPERIMENTAL EMBRYOLOGY (10 or more).
(Offered in 1944-1945 as 209-210-211, fall term, winter and spring semesters). *Not fewer than ten laboratory and seminar hours a week, winter and spring semesters. Laboratory fee, $5.00 a semester.* Mr. Costello.

212. HYDROBIOLOGY (4). Prerequisite, Zoology 109.
Eight laboratory hours a week, winter or spring semester. Laboratory fee, $5.00 a semester. Mr. Coker.

215. PROTOZOOLOGY (4).
Eight laboratory hours a week, winter or spring semester. Laboratory fee, $5.00. Mr. Beers.

217. CELL PHYSIOLOGY (3). Prerequisite, Organic Chemistry.
(Not offered, 1944-1945). *Three hours a week, winter or spring semester.* Mr. Costello.

316. RESEARCH (3 or 5 or more).
Six or ten or more laboratory hours a week, summer, winter or spring semester. Laboratory fee, $3.00 or $5.00 a semester. Messrs. Coker, Beers, Costello, Whittinghill, Villee, Jones.

PART FIVE—EXTENSION DIVISION AND THE GRADUATE AND PROFESSIONAL SCHOOLS

THE UNIVERSITY EXTENSION DIVISION

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
Russell Marvin Grumman, B.H., *Director*
*Edgar Ralph Rankin, A.M., *Head, Department of School Relations*
William John McKee, C.E., Ph.D., *Supervisor of Correspondence Instruction*
*Thomas Simmons Howard, S.B., *Assistant to the Director*

**THE ADMINISTRATIVE BOARD

Howard Washington Odum, Ph.D., LL.D., Litt.D., L.H.D.
William Whatley Pierson, Ph.D., Litt.D.
Herman Glenn Baity, Sc.D.
William John McKee, C.E., Ph.D.
Dudley deWitt Carroll, M.A.
Will Carson Ryan, Ph.D.
Wesley Critz George, Ph.D.
Allan Wilson Hobbs, Ph.D.
Samuel Huntington Hobbs, Jr., Ph.D.

HEADS OF BUREAUS

Mary Louisa Cobb, A.B., *Correspondence Instruction*
Glenn Haydon, Ph.D., *Community Music*
Samuel Huntington Hobbs, Jr., Ph.D., *Economic and Social Surveys*
Samuel Selden, A.B., *Community Drama*
Harold Diedrich Meyer, A.M., LL.D., *Recreation*
*Charles Fremont Milner, A.M., in Educ., *Visual Instruction*
William Everett Rosenstengel, Ph.D., *Visual Instruction*
Guy Berryman Phillips, M.A., *Educational Information and Assistance*
Harriet Dyer Adams, A.M., *Art Extension*
Charles Eugene McIntosh, A.M., *High School Debating and Athletics*
Lucile Culbert, A.M., *Radio*
Earl Horace Hartsell, Ph.D., *English Extension*

GENERAL STATEMENT

By means of correspondence instruction, extension classes, public forums, radio programs, extension library service, reading courses, community dramatics, interscholastic activities, audio-visual aids, and

* Absent on leave in service.
** The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

a variety of publications, the University of North Carolina, through the Extension Division, is relating itself closely with the life of North Carolina. The University campus is now virtually coterminous with the boundaries of the commonwealth.

Starting as a Bureau of Extension in 1912 under the leadership of Dr. L. R. Wilson, former University Librarian, the idea of University extension was clarified and expanded under the administration of the late President Edward Kidder Graham. In 1921, in conformity with standards established by the National University Extension Association, the work was organized as a major division of the University by President Harry W. Chase.

In his inaugural address, November, 1931, President Frank Porter Graham defined the purposes of university extension thus: "It is the function of the state university not only to find its bits of truth and teach the truth gathered from scholars everywhere, but to carry the truth to the people that they may take it into their lives and help to make it prevail in the world of affairs. It is the ideal of the University Extension Division to make the resources of the universities, the discoveries of science, and the findings of the social scientists available for the people of the commonwealth."

The Extension Division is the administrative agency through which are conducted the extension activities of all the University's departments. Within recent years, moreover, the Division has developed a specialized program of adult general and professional education unrelated to the work of the resident departments. Other educational services are being offered men and women whose formal schooling has ended, but who still desire to continue their education regardless of higher academic awards. In meeting the demands of this group, the future of the University Extension Division as an agency for adult education holds the greatest promise of development.

BUREAU OF CLASS INSTRUCTION

Extension courses in regular University subjects are offered in communities throughout the State. These courses are taught by members of the University Faculty and, when all requirements are met, give the same credit as courses in residence. Those not wishing degree credit are also eligible to enroll in extension classes. The classes usually meet one evening a week for sixteen weeks. An individual or group wishing to organize an extension class should make written application to the University Extension Division, giving the following information: probable number of enrollments, academic qualifications of persons who wish to join the class, course desired, when and where the class wishes to meet, and who will have charge of local arrangements.

Courses Offered

The Extension Division attempts to offer most of the courses listed in the University Catalogue in any community where a sufficient number of people desire to enroll.

In order to conserve space, all other information and regulations concerning extension courses are omitted here but may be secured by sending a written request to the University Extension Division.

In-Service Teacher Education

Working in close cooperation with the Department of Education the Division conducts a specialized and carefully arranged program for teachers now working in the schools of the State. The aim of this program is to improve instruction in the schools and to offer opportunities for the professional growth of teachers.

BUREAU OF CORRESPONDENCE INSTRUCTION

All information and regulations concerning correspondence courses offered by the University are contained in the catalogue of Correspondense Instruction issued separately. This contains information regarding economical plans for college and adult education.

The University offers correspondence courses to men and women in the armed forces through the U. S. Armed Forces Institute.

LIBRARY EXTENSION DEPARTMENT

The aim of the Library Extension Department is to encourage discussion of current political, social, and economic problems, as well as to assist in the study of good literature. Reference material is supplied for such study.

One section renders assistance with programs and reference material, usually of a literary nature, to women's clubs and study groups, for which service a small charge is made. Another section renders assistance to schools, both to students and teachers, as well as to other individuals not organized in group study. This material is usually on current problems of a political, social, or economic nature.

BUREAU OF LECTURES, SHORT COURSES, AND INSTITUTES

The University conducts a lecture bureau for the purpose of aiding schools, civic clubs, and other organizations in obtaining speakers. Addresses for special occasions, such as school and college commencements, are also arranged upon application.

No fee for lecture service is charged, but the traveling and incidental expenses of the lecturer are to be defrayed by the organization for which the lecture is made. Lecture courses also may be arranged.

From time to time the University has held at Chapel Hill short courses or institutes for various organizations and groups. These consist of an intensive training program or course ranging in duration from one day to two weeks. The program is composed of a specialized series of lectures, discussions, and demonstrations directed by leading speakers and teachers secured from the faculty of the University and from the State and nation. Short courses have been offered to high school athletic directors, welfare workers, parents, realtors, photographers, bankers, insurance agents, members of the State Press Association, and other organizations.

In addition to those mentioned above, the Division will be glad to aid other organizations or groups in arranging for a short course, institute, special meeting, or convention.

BUREAU OF COMMUNITY DRAMA

The services of the Bureau of Community Drama are available to all schools, colleges, and communities throughout the State. Suggestions and advice on play production, and aid in solving any particular

problem of the director of dramatics may be obtained from this bureau.

Assistance is given in organizing, in play selecting, in the designing and making of scenery, in costuming, and in make-up and lighting. Arrangements may be made for assistance in the direction of a chosen play.

The bureau has at its disposal more than two thousand volumes of play books, books on acting, play production, little theatre organization, play writing, stagecraft, lighting, costuming, make-up, etc. These are loaned upon payment of the postage and packing charges. By giving practical assistance to those interested in writing and producing plays, the bureau is seeking to promote and encourage dramatic art in the schools and communities of North Carolina, and to stimulate interest in the writings of native drama.

A summer session in dramatic art is conducted for high school students.

BUREAU OF VISUAL INSTRUCTION

The services of the Bureau of Visual Instruction are available to all schools and other educational and civic agencies on a cost basis. Primarily, the visual education services are designed to aid elementary, secondary school, and college teachers to supplement classroom instruction. Consequently, material is being selected that may be integrated with the curriculum or courses of study in public schools and colleges.

The Bureau is prepared to provide a number of advisory services concerning visual aids. The educational film library loan service is described in an issue of the University Extension Bulletin.

The Bureau distributes films for the OWI and the office of the coordinator of Inter-American Affairs.

BUREAU OF COMMUNITY MUSIC

The Department of Music offers the following services: (1) leadership for community sings; (2) formation of community choruses; (3) lectures on public school and community music; (4) piano, violin, and organ recitals; (5) advisory service to schools; (6) concerts by the University Symphony Orchestra, the Symphonic Band, and the University Glee Clubs. A summer school course is offered to high school musicians.

BUREAU OF ART EXTENSION

The Department of Art offers, through the cooperation of the Extension Division, extension class and correspondence courses in the history and appreciation of art. Institutes on art education are sponsored jointly with other State agencies and organizations. A lecture service is available. Circulating art exhibits may be secured on a loan basis. Art exhibitions are conducted, in cooperation with the Art Department of the Woman's College, for the public schools and colleges in North Carolina.

All of the special exhibitions in the Person Hall Art Gallery are open to the general public.

BUREAU OF ECONOMIC AND SOCIAL SURVEYS

For years the staff in Rural Social-Economics of the University has been collecting data on social and economic conditions in North Carolina. This material is available through loans from the library, articles in *The University News Letter*, and bulletins which record the results of a number of county surveys. *The University News Letter*, which is edited by this department, appears twenty-five times each year.

BUREAU OF RECREATION

This bureau offers service in public recreation and leisure time problems through the Department of Sociology. Bibliographies and reading lists on the subjects of sociology, community organizations, etc., are provided upon request. The Bureau Head serves as Executive Director of the North Carolina Recreation Committee.

BUREAU OF HIGH SCHOOL DEBATING AND ATHLETICS

The University Extension Division, through this bureau, offers service to the high schools of the State by means of contests in debating, athletics, and academic subjects.

The N. C. High School Debating Union is the medium through which assistance in debate is offered. This organization was established in 1912-1913. Approximately two hundred high schools grouped in triangles, discuss some important question each year. The winning schools send their teams to the University to compete during High School Week in the final contest for the Aycock Memorial Cup.

The N. C. High School Athletic Association is the agency through which assistance in athletics is offered. This association conducts State high school contests in football, basketball, wrestling, baseball, track, soccer, golf, and tennis. The high schools compete in groups for the honor of representing the eastern and western sections of the State, and the teams winning the sectional contests meet at Chapel Hill in the finals. Approximately three hundred schools are members of this association.

The high school contests in academic subjects are conducted jointly by this bureau and by the University departments concerned. Academic contests are conducted in Latin, Spanish, French, physics, mathematics, history, and English. High school newspaper, magazine, and essay contests also are conducted.

BUREAU OF EDUCATIONAL INFORMATION AND ASSISTANCE

The bureau is maintained through the cooperation of the Department of Education. The several members of the faculty of the department offer to the State the following lines of service: educational tests and measurements; school surveys; teachers' appointments; advice and counsel with reference to school buildings, equipment, and general administrative problems.

BUREAU OF PUBLIC FORUMS

The University offers assistance to communities in organizing and conducting civic forums on public affairs. More than one hundred of the best known authorities and public speakers in the State are available as leaders of these free and open discussions which involve the

participation of the audience. Leaders receive no fees, but the participating community pays travel and other necessary expenses of leaders.

BUREAU OF RADIO

The University owns and operates its own radio studios from which educational programs are broadcast regularly each week over the facilities of eleven cooperating North Carolina radio stations. Programs broadcast from the University feature music, dramatic arts, science, journalism, philosophy, history, sociology, literature, round tables on current public questions, student activities, and a great variety of other educational productions. The cooperating radio stations are: WPTF, Raleigh; WRAL, Raleigh; WDNC, Durham; WBIG, Greensboro; WGTM, Wilson; WFTC, Kinston; WSTP, Salisbury; WAIR, Winston-Salem; WSJS, Winston-Salem; WSOC, Charlotte; WBBB, Burlington.

BUREAU OF ENGLISH EXTENSION

In cooperation with the Department of English, the Division conducts professional services for teachers of high school English. The North Carolina High School English Institute is held at Chapel Hill each summer. A short course in high school senior English also is conducted during the summer session. A course by correspondence in the teaching of high school English is offered.

COOPERATIVE ACTIVITIES

ENGINEERING, SCIENCE, AND MANAGEMENT WAR TRAINING

In cooperation with the United States Office of Education, the University participates in the Engineering, Science, and Management War Training Program. Off-campus courses are offered in accounting, personel management and production supervision, etc. Campus courses in chemistry, physics, and mathematics have also been offered under this program.

SOUTHERN COUNCIL ON INTERNATIONAL RELATIONS

Through a cooperative arrangement, the Division sponsors and assists the Southern Council on International Relations in its program of civic education. Lectures, institutes, radio programs, and conferences on international and inter-American affairs are conducted by the Council. Literature and motion pictures are distributed and exhibits of posters, maps, and books are furnished to schools, colleges, and libraries. A reference service, press releases, and a speakers bureau are included in the Council's activities.

THE GRADUATE SCHOOL

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
William Whatley Pierson, Ph.D., Litt.D., *Dean*

*THE ADMINISTRATIVE BOARD

William deBerniere MacNider, M.D., Sc.D., LL.D.
William Chambers Coker, Ph.D., LL.D.
William Morton Dey, Ph.D.
Edgar Wallace Knight, Ph.D.
John Brooks Woosley, Ph.D.
Berthold Louis Ullman, Ph.D.
Rupert Bayless Vance, Ph.D., LL.D.
George Coffin Taylor, Ph.D., Litt.D.
Ralph Walton Bost, Ph.D.
Edward Tankard Browne, Ph.D.
Robert Digges Wimberly Connor, Ph.B., LL.D.

GENERAL STATEMENT

The Graduate School finds its province in the fostering of research, in training students to become investigators and teachers in special fields of learning, in the application of research methods to the problems of society, government, and industry, and in supplying opportunity for further and advanced study by those who have already completed a college course. The University of North Carolina has been interested in research for more than a century, and has made contributions in science, the social sciences, and the languages. Through its research clubs and learned journals, as well as through publications and other contributions to learning made by members of its faculty, the University has acquired the authority to give advanced instruction. For this it is competent both from the standpoint of the personnel of its faculty and in material equipment in libraries and laboratories.

Instruction leading to the Master's degree was offered at this institution prior to the American Civil War, and such higher degrees were granted in course. Formal action with high standards in requirements was taken in 1876 to establish a system of graduate, as distinct from undergraduate, instruction. The first Doctor's degree was awarded in 1883. A Graduate Bulletin, issued in 1885, showed that nearly all departments offered advanced courses. The number of students during those years was small, but the work accomplished in both the humanities and the sciences was of distinguished quality. Given distinct status in 1904 and the leadership of a Dean, the Graduate School has experienced steady, and since 1920, rapid growth.

The institution is a member of the Association of American Universities; the Graduate School annually publishes a bulletin, entitled *Research in Progress,* which records analytically the scholarly contributions of the faculty and graduate students; the School operates an Appointments Bureau, which supplies facilities for placement.

* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

Work for advanced degrees is under the supervision of the Graduate Faculty. Under authority delegated by the Graduate Faculty, the immediate direction of the Graduate School is in charge of an Administrative Board, of which the Dean is chairman. Special requirements and regulations made by this board are outlined in the Catalogue of the Graduate School, which is published annually and is recognized as the official publication of the Graduate School.

*THE CURRICULUM IN COMPARATIVE LINGUISTICS

In this curriculum the facilities available within the University for the study of comparative linguistics and philology are organized. It is possible for students to offer programs of study in this subject leading to the degrees of Master of Arts and Doctor of Philosophy. It is also possible for those with majors in language to secure a minor in comparative linguistics.

**THE DIVISION OF PUBLIC WELFARE AND SOCIAL WORK

Since 1920 the University has offered training in social work with the primary emphasis on public welfare. Within its chosen field the Division has directed attention first to an understanding of the problems with which the social worker must deal and a knowledge of the social sciences upon which the solution of these problems must be based. As the complement of this scientific knowledge it offers training in the techniques of social work with practical experience, particularly in the field of public welfare and in rural social work.

The School offers a graduate curriculum providing two years' work and leading to the degree of Master of Science in Social Work. In general a bachelor's degree from a college or university of recognized standing and with undergraduate emphasis on sociology and the other social sciences is required for admission. An occasional mature student who does not have a bachelor's degree may be admitted as a special student. Admission to the Division does not necessarily mean admission to candidacy for a degree.

For details the special catalogue of the Division of Public Welfare and Social Work should be consulted.

†THE CURRICULUM IN FOLKLORE

A curriculum has been authorized in which the facilities of the University available in such departments as English, Germanic Languages, Music, Romance Languages, and Sociology have been mobilized in the interest of students who desire to undertake a major or a minor in Folklore. It will hereafter be possible for a candidate for the A.M. degree to secure a major in Folklore or for a candidate for the Ph.D. degree to secure a minor in that subject.

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* The Administrative Committee: The Dean (Chairman) and Professors Lane (Secretary) Boggs, Ericson, Holmes.

** The Administrative Committee: Professors Pierson, Brown (Director), Odum, S. H. Hobbs, Jr., Woosley, W. B. Sanders, Crane.

† Administrative Committee: The Dean (Chairman), Professors Boggs, Holmes, Hudson, Jente, G. B. Johnson.

*THE CURRICULUM IN PUBLIC HEALTH

This curriculum, leading to both master's and doctor's degrees, has been authorized by the Administrative Board of the Graduate School. For information consult the Catalogue of the Graduate School and the special bulletin of the School of Public Health

**THE CURRICULUM IN PERSONNEL ADMINISTRATION

This curriculum mobilizes the instructional resources having relation to personnel administration which have developed here in such fields as Economics and Commerce, Education, Political Science, Psychology, Social Work, and Sociology. Opportunities will be afforded qualified students to elect programs of study which cut across departmental lines. Also there will be opportunity to choose definite areas of specialization within the respective departments which will provide programs of concentrated study.

GRADUATE DEGREES

The degrees under the supervision of the Graduate Faculty are Master of Arts (A.M.), Master of Science (S.M.), and Doctor of Philosophy (Ph.D.). For a complete statement of the requirements for these degrees reference must be made to the special Catalogue of the Graduate School.

SUMMARY OF THE REQUIREMENTS FOR HIGHER DEGREES

MASTER'S DEGREES

1. A bachelor's degree from a recognized institution.
2. A minimum period of three quarters of resident study.
3. A reading knowledge of one modern foreign language. (But see the Catalogue of the Graduate School.)
4. Nine graduate courses, six of which must be in the department of the major.
5. A written examination in the field of the major.
6. An oral examination covering the entire field of study.
7. A thesis.

DOCTOR OF PHILOSOPHY

1. Admission is the same as for the master's degree.
2. A minimum of three years of graduate study, at least one of which must be at the University of North Carolina.
3. A reading knowledge of French and German. (But see Catalogue of the Graduate School.)

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* Administrative Committee: The Dean (Chairman); Dean M. J. Roseneau (Director); Professors W. deB. MacNider, Herman G. Baity, R. W. Bost; J. B. Woosley.

** The Administrative Committee: The Dean (Chairman); Professors Wager (Secretary), Morrison, Wolf, Dashiell, R. M. Brown, Jocher.

4. A major covering adequately the field of major interest and at least six courses in a minor, which may under special circumstances be in the same department.
5. A preliminary oral examination.
6. A written examination in the field of major interest.
7. An oral examination covering the entire field of study.
8. A dissertation.

CATALOGUE OF THE GRADUATE SCHOOL

For information concerning the Graduate Faculty, fields of research, fellowships and other aids, expenses and tuition, and for regulations governing courses of study, credits, admissions, examinations, and higher degrees, reference must be made to the special Catalogue of the Graduate School.

THE SCHOOL OF LAW

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*
ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Dean*

*THE ADMINISTRATIVE BOARD

HOWARD WASHINGTON ODUM, Ph.D., LL.D., Litt.D., L.H.D.
ALLAN WILSON HOBBS, Ph.D.
DUDLEY DEWITT CARROLL, M.A.
**MAURICE TAYLOR VANHECKE, Ph.B., J.D.
MILLARD SHERIDAN BRECKENRIDGE, Ph.B., LL.B.
FREDERICK BAYS MCCALL, A.B., L.L.B.

GENERAL STATEMENT

The School of Law, now in its one hundred and first year and with a regular faculty of eight†, offers a three-year course leading toward the degrees of LL.B. and J.D. It is on the approved list of the North Carolina and New York Boards of Law Examiners, and of the American Bar Association. It is a member of the Association of American Law Schools, and is one of thirty of the leading law schools of the country in which a chapter of the honorary society of the Order of the Coif has been established.

While greater emphasis is placed upon North Carolina decisions and statutes than upon those of the other states, the legal doctrines are studied as a part of the Anglo-American common-law system. Thus the school prepares its students for practice in North Carolina and in every other State in the Union.

Candidates for admission to the School of Law must have completed satisfactorily the first three years of a regular college curriculum leading to a standard degree. If this work has followed the *special* program offered by the College of Arts and Sciences or by the School of Commerce of this University, the student may receive the Bachelor's degree in Arts or in Commerce, as the case may be, upon the satisfactory completion of the first year in law. For the details of these undergraduate programs see pages 134 and 152. Applications for admission as regular students must be approved by the Dean of Admissions of the University.

Exceptions to the above admission requirements:

(1) Students with superior records, whose college work was interrupted by military service, may be admitted after completion of only two years of regular college work.

(2) A limited number of special students, not candidates for the degree in law, may be admitted individually.

The School of Law is located in Manning Hall. The Law Library, in charge of two trained law librarians and a staff of assistants, now numbers approximately 49,000 volumes.

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* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

** Absent on leave

† Four faculty members are on leave of absence from the University in military or government service. One temporary replacement has been made.

The curriculum covers a period of three annual sessions, but this time may be shortened by attendance during summer sessions.

The students of the School of Law are regularly enrolled in the University, enjoy all the privileges of University students, and are amenable to all general University regulations and to the special regulations of the School.

The summer session of the School of Law offers opportunities for students to supplement the work of the regular year by additional courses, some of which are not otherwise available, or to shorten the period of study for the law degree. A full curriculum is provided for advanced and beginning students. The summer faculty normally includes as visiting professors a number of distinguished law teachers from other universities.

Opportunities for individual work are afforded to especially qualified students through membership upon the student editorial staff of the *North Carolina Law Review*, as faculty research assistants, and as library assistants.

For further information, please write to the Dean of the School of Law for the separate bulletin of that school.

THE SCHOOL OF MEDICINE

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
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GENERAL STATEMENT

The School of Medicine was established in 1879 under the direction of Dr. Thomas W. Harris. A course in theoretical and practical medicine was offered under the preceptorial system, but the plan was found impracticable and was abandoned in 1886. In 1890, a more orderly and logical arrangement of the subjects in the medical course having developed, it became possible for an institution without clinical facilities to offer instruction in the pre-clinical subjects, and the school was reopened with Dr. Richard H. Whitehead as Dean and Professor

* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.
† Absent on leave in service.

of Anatomy. Under his guidance it soon won recognition for thoroughness of instruction and excellence in scholarship and has since continued without interruption to its growth. At first the course covered only one year, but in 1896, the medical course having been extended in the better class of schools to four years, a two-year course was inaugurated. In 1900 the School of Medicine was incorporated as an integral part of the University and was reorganized to meet the requirements of the first two years of the full four-year course leading to the degree of Doctor of Medicine. In 1902 it was expanded into a four-year school, and the clinical subjects of the third and fourth years were offered in Raleigh under the direction of Dr. Hubert A. Royster as Dean. After a few years of successful operation, this plan had to be abandoned for lack of financial support, and the clinical years were discontinued.

The School has been a member of the Association of American Medical Colleges since 1908, and is on the approved list of schools of basic medical sciences as published by the Council on Medical Education and Hospitals of the American Medical Association.

The curriculum is similar to that in the first two years of the better four-year medical schools in the country. It covers all the preclinical or laboratory subjects of the four-year course in Medicine, as well as introductory clinical courses in the last two quarters of the second year. These courses in Medicine, Physical Diagnosis, Clinical Pathology, and Obstetrics serve to lessen the abruptness of the change from the laboratory to the hospital.

The School has an arrangement with Watts Hospital in Durham whereby the ward and dispensary patients are available for teaching purposes in the clinical courses. The clinical material at the State Hospital in Raleigh the State Tubercular Sanatorium at Sanatorium, and the patients in the Orange County Health Clinic are available for teaching purposes.

Students who have successfully completed the two-year course in this school are given full credit for all of their work and are transferred into the third year of American Medical Colleges of the highest rank, from which they receive the degree of Doctor of Medicine. During the past ten years students who have completed their two years in this school have been transferred to thirty different four-year medical colleges from McGill in the North to Tulane in the South, and from Cornell in the East to the University of California in the West.

Sixty per cent of those who have attended the School have returned to North Carloina to practice medicine. Approximately twenty-five per cen of the physicians now in active practice in North Carolina received the first two years of their medical training here.

PREPARATION FOR MEDICINE AND REQUIREMENTS FOR ADMISSION DURING THE PERIOD OF WAR EMERGENCY

Students preparing for the study of medicine should spend as much time securing a well-rounded cultural education as their age and financial resources permit.

With the lowering of the age limit for Selective Service the Association of American Medical Colleges recommends that physically qualified male premedical students who have had the minimum of two academic years (four semesters or six quarters) of accredited college work, which must include English, theoretical and practical work in chemistry (inorganic and organic), mathematics, physics, and zoology, be admitted to approved schools of medicine.

This School will follow this recommendation and will admit superior physically qualified male students on the basis of two academic year's work (64 semester hours minimum) in 1944 and thereafter for the duration of the emergency.

With the lowering of the quantitative standards it is imperative that premedical students maintain a definitely superior academic record if their applications are to receive favorable consideration, particularly since in 1944 students with only two years of undergraduate preparation will be competing for admission with students who have already completed more than the minimum.

Instead of the courses listed as the minimal requirements for admission male premedical students who are physically qualified for service should pursue an intensive curriculum including the work required.

Wherever possible, especially if premedical students are admitted in their freshman year with advanced standing, they should take two or three quarters of a modern foreign language, German, French, or Spanish, and elective courses in non-science departments.

There is not sufficient space in the medical schools to admit all students who meet the quantitative standards. For this reason, and because it requires more than average intelligence and aptitude to complete satisfactorily the medical curriculum, the quality of the student's undergraduate work is of the greatest importance. All students interested in the study of medicine should attempt to stand in the highest third of their academic classes.

Women students and students who do not qualify physically for military service must have the usual pre-war requirements for admission, which are a minimum of three years of academic work in the case of exceptionally good students but four years in the case of most students.

Because of the widening social and economic interests of the medical profession students preparing to enter it should take, in addition to the requirements in science, as many courses as possible in history, literature, economics, philosophy, and psychology.

All admissions are decided by the Dean of the School of Medicine and a special committee on admissions after approval of credentials by the Dean of Admissions. The maximal number admitted to the first year class is forty-five. The Dean and special committee reserve the right to select from the entire list of approved applicants those who in their judgment are best qualified for the study of medicine.

Candidates for admission to the second year of the medical curriculum must present certificates from an accredited medical school stating that they have had the required fifteen units, at least three years of college work as indicated above, and have completed the subjects of the first year of the medical course as outlined.

THE MEDICAL CURRICULUM

The medical curriculum covers two years divided into six periods, or quarters, of approximately equal length. It is organized into six departments: Anatomy, Bacteriology and Immunology, Biological Chemistry and Nutrition, Pathology, Pharmacology, and Physiology, with additional courses in Medicine, Physical Diagnosis, Principles of Surgery, and Obstetrics, and an affiliated School of Public Health. For description of the courses and other details see Special Catalogue for the Medical School.

THE SCHOOL OF PHARMACY

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
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GENERAL STATEMENT

In 1880 Dr. Thomas W. Harris was instrumental in establishing a School of Pharmacy at the University in connection with the School of Medicine. The school was continued until the resignation of Doctor Harris in 1886, when it was abandoned. In 1890 the school was revived by Dr. Richard H. Whitehead, but again its career was short. Finally, in March, 1897, in response to urgent requests made by the North Carolina Pharmaceutical Association, the present school was established and Edward Vernon Howell was appointed Professor of Pharmacy and Dean.

The School in 1925 obtained exclusive use of its present building (Howell Hall of Pharmacy). This building contains 35 rooms, 22,000 sq. ft. of floor space, and is located in the northeast section of the campus, adjacent to the Arboretum, the Medicinal Plant Gardens, and the Botany Building (Davie Hall).

The minimal offerings of the School are based on four years of study which lead to the degree of Bachelor of Science in Pharmacy (S.B. in Phar.).

The School was admitted to membership in the American Association of Colleges of Pharmacy in 1917. This organization was formed for the promotion of thorough scientific work in the profession of pharmacy. It maintains high standards for membership based on the number and training of the faculty, thoroughness of work offered, the quality of the curriculum, the number of students, the financial support of the school, and the facilities for carrying on the work.

The School is accredited fully by the American Council on Pharmaceutical Education. The University of the State of New York credits fully four years' work here as evidence of due preparation for the examinations of the licensing board of that state. The same sort of credit is now extended by all other state examining boards.

Students of pharmacy enjoy all the privileges of the University and are subject to all of its general regulations, as well as to the special regulations of the School of Pharmacy.

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* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.
** Absent on leave in service.

Properly qualified applicants of either sex may be admitted, provided they meet the requirements for entrance. Their credentials are first submitted to the Registrar of the University.

The School of Pharmacy recognizes that its graduates may be expected to pursue one or another of three related but definitely different forms of pharmaceutical practice. They may become prescriptionists in or owners of retail drug stores; they may elect to enter the field of medicinal manufacture; or they may decide to establish technical laboratories or enter the U. S. Public Health Service. Each different form of effort requires a specialized type of training and the School has attempted to provide such specialization.

By action of the Administrative Board of the School of Pharmacy the Dean of the School is authorized to allow substitutions of certain academic subjects for certain prescribed pharmaceutical courses in the cases of rising fourth year students who in his opinion have made such records as to warrant their acceptance after graduation into standard medical schools.

The School of Pharmacy urges superior students who are desirous of securing the benefits of thorough specialized training and intensive research work to pursue an additional year in the Graduate School where a course of training leading to the degree of Master of Science (S.M. in Phar.) is offered. The three majors available are Materia Medica and Pharmacognosy, Pharmaceutical Chemistry, and Pharmacy.

A student who has completed one or more years of accredited work in a recognized school of pharmacy and submits satisfactory evidence of having completed the entrance requirements and courses equivalent to those prescribed in the curriculum required for the degree of S.B. in Pharmacy, may be admitted with advanced standing and proceed for this degree. The minimum requirement of residence for a degree is a period of three quarters within the period of twelve months. A full year's work comprising at least forty-five quarter hours must be completed by a transferring student. Beginning January 1, 1938, the American Association of Colleges of Pharmacy requires of its member colleges that students transferring from a non-pharmaceutical college must spend a minimum of three years in a standard college of pharmacy in order to be graduated with a degree of S.B. in Pharmacy.

For further information, please write to the Dean of the School of Pharmacy for the special catalogue of that school.

THE SCHOOL OF LIBRARY SCIENCE

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GENERAL STATEMENT

The School of Library Science opened in September, 1931, as a unit of the University of North Carolina. Made possible by a grant from the Carnegie Corporation, it is the culmination of a series of library science courses offered in the summer and regular terms since 1904. The School is accredited by the American Library Association and the Southern Association of Colleges and Secondary Schools.

The curricula of the school offer a basic course preparing the student for general library work. Three curricula are offered, permitting the student to specialize in preparation for work in one of three fields: elementary and high school libraries, city and county public libraries, or college and university libraries.

Quarters for the school, comprising laboratory and classrooms for the students and offices for the faculty, are in the University Library.

The town school system maintains a high school library and an elementary school library available for observation. Within driving distance of from thirty minutes to two hours are the city and public library systems of Durham, Raleigh, and Greensboro and the libraries of Duke University and its Woman's College, the State Library, the Library Commission headquarters, The North Carolina State College of Agriculture and Engineering, and The Woman's College of the University of North Carolina.

The principal requirement for admission is a bachelor's degree from an accredited college or university.

Applicants are expected to have received a grade of B (=90 per cent or better) in at least fifty per cent of their undergraduate work.

* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

An applicant's college degree may not be approved if his course included an undue proportion of vocational or professional subjects such as library science, education, home economics, or agriculture. For certain library positions thorough training in one of these or in some other field is essential but it should be in addition to rather than as part of his undergraduate preparation.

A reading knowledge of two modern foreign languages is required for admission.

Students must have reasonable ability in typewriting before admission to the school.

Those over thirty-five years of age are advised not to apply for admission to the school unless they have been continuously engaged in library work or in some similar pursuit.

Because of the special nature of many phases of library work, it is recommended that before beginning the course applicants familiarize themselves with library routines and terms, either through practice in a near-by library or by reading.

Applicants must show evidence of ability to do library work and must have had a well-balanced selection of courses leading to the required bachelor's degree. The class will be chosen on a basis of individual promise of success.

It is required that applicants be interviewed by a member of the faculty of the school or a librarian designated by the school.

For definite recommendations on the content of the preparatory work see the special catalogue of the School of Library Science.

Applicants should plan their entrance into the school at the beginning of the fall quarter or summer session. Many courses have prerequisite work which cannot be taken unless the curriculum is begun at one of these times.

Certain courses are open to advanced undergraduates in the College of Arts and Sciences. They are listed under Department of Library Science in this catalogue at page 216.

On the completion of a curriculum in the School of Library Science, the University will grant the degree of Bachelor of Science in Library Science.

Nine courses must be satisfactorily completed in residence in the University of North Carolina for a degree in Library Science. Students who are admitted with advanced standing in library science must complete in the school or in another division of this institution an equivalent number of courses approved by the Dean.

The residence requirement for a degree is three academic quarters. This requirement must be completed within five years.

The School of Library Science cannot guarantee to find positions for its graduates. With their cooperation, however, suitable records are maintained in order to enable them to secure desirable positions through the school and every effort is made to bring graduates and library employers together.

SUMMER SESSION

The courses of the regular session are repeated and all the requirements which apply in the regular session apply in the summer session.

A normal schedule of three courses will make it possible to complete the work for a degree in three summers.

APPLICATION FOR ADMISSION

Application for admission to the school for either the regular session or the summer session should be made as far as possible in advance of the session to be attended. Application should be made on forms which are secured from the *Dean, School of Library Science, The University of North Carolina, Chapel Hill, N. C.*

SPECIAL CATALOGUE

Detailed information is given in a special catalogue of the School of Library Science.

THE SCHOOL OF PUBLIC HEALTH

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*
ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
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GENERAL STATEMENT

In 1936 a Division of Public Health was established and a Director appointed. The University of North Carolina, at Chapel Hill, was then designated by the United States Public Health Service as the center for training of health officials for the Interstate Sanitary District No. 2 (extending from Delaware to Florida), to carry out the provisions of the Social Security Act for the training of public health personnel.

The Division of Public Health was given the status of a School of Public Health in 1939 and graduate degrees offered. A department of Public Health Nursing was organized in 1941. In September of 1942, a Department of Health Education was established.

The School of Public Health enjoys the active cooperation of the State Department of Health at Raleigh. Members of the staff give exercises in their special fields and the students have the opportunity to see the practice and study the methods and material of an efficient State Health organization at first hand.

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of this board.

Cooperation is also maintained with Duke University and its Hospital, as well as with Watts Hospital, in Durham. Furthermore, the school enjoys the cooperation of the local health officers at Durham and Chapel Hill who, through lectures and practical demonstrations, give the student an opportunity to see the health work of a city and county government, where, as well as at Raleigh, opportunity is offered for special study and investigation of health problems.

Similarly, cooperation is maintained with the United States Public Health Service, the Children's Bureau, and other Federal health agencies, members of which participate through lectures and discussions.

For county and city health work, field demonstration units have been established in Cabarrus County Health Department; Durham City-County Health Department; Forsyth-Stokes-Yadkin-Davie Health Districts; Greensboro Nursing Council; City of Greensboro Health Department; Orange-Person-Chatham District Health Department; Wake County Health Department; and Wayne County Health Department.

Students are enrolled in the University of North Carolina and enjoy all the rights and privileges of the graduate student body. They may take courses in other departments of the University provided they are properly qualified and have the approval of the Administration. Certain courses in economics, political science, sociology, social work, public speaking, and statistics are regarded as having an especially close relationship to public health.

The Administration reserves the right to refuse admission to any student who, in its judgment, is not qualified to profit by work in the Graduate School, to limit the number of students admitted to any course, and to drop from the roll any student whose work it deems unsatisfactory for any reason. All applicants for admission will be assumed to have assented to these conditions.

The School of Public Health is in the same building with the School of Medicine, with which it maintains close cooperation. Academically, it clears through the Graduate School and those interested are advised to consult the Graduate School Catalogue.

Graduate degrees offered by the School of Public Health are administered by the Graduate School of the University of North Carolina. These degrees are: Master of Public Health (M.P.H.), Doctor of Public Health (Dr.P.H.), Master of Science (with designation) (M.S.), Doctor of Philosophy (with designation) (Ph.D.).

All requirements concerning these degrees are administered by the faculty of the School of Public Health with the approval of the Administrative Board of the Graduate School.

The Certificate in Public Health (C.P.H.) and Certificate in Public Health Nursing (C.P.H.N.) are not considered graduate degrees and are therefore, administered by the faculty of the School of Public Health.

An undergraduate degree, Bachelor of Science in Public Health Nursing, is awarded graduate nurses who comply with all requirements of the Public Health Nursing course and who have had the required years and courses in college. In addition there is a four-year program leading to the degree of Bachelor of Science in Public Health.

For more detailed information and proposed curricula leading to degrees see the special catalogue of the School of Public Health.

PART SIX

COMMENCEMENTS, FEBRUARY-JUNE, 1944
DEGREES CONFERRED

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COMMENCEMENT
February 25, 1944

NAVAL R.O.T.C. AND V-12, U.S.N.R., U.S.M.C.R.
CHAPEL HILL
MEMORIAL HALL

THE NATIONAL ANTHEM
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INVOCATION
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University of North Carolina

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CONFERRING OF DEGREES IN COURSE

AWARD OF UNIVERSITY CERTIFICATES

THE GOVERNOR OF NORTH CAROLINA
Hon. J. Melville Broughton

FAREWELL MESSAGE FROM THE UNIVERSITY
Frank Porter Graham, President of the University

AWARD OF JOSEPHUS DANIELS MEDAL

PRESENTATION OF COMMISSIONS TO N.R.O.T.C.
Vice Admiral Randall Jacobs, U.S.N.

ADDRESS
Vice Admiral Jacobs

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William Lee Moore
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A. J. Russo

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Sidney Schwartz
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Seymour Sidney Shuchman
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Bryant Brightman Skinner
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Thaddeus Wilbur Tate, Jr.
Vernon David Thomason
Lynn Bradford Tillery
Gordon Earl Trevathan, Jr.
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William Henley Watson
Richard Kalish Weisberg
W. Robert Wertheim
Harry Hilton Whidbee
Sydnor Montgomery White
George Crabtree Whitner
Cecil McAteer Wilson
Lionel Residor Zimmer
Algeron Augustus Zollicoffer, Jr.

COMMENCEMENT, MARCH 19, 1944

MARKING THE CLOSE OF THE WINTER QUARTER OF THE UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL

11:00 A. M.—Baccalaureate Sermon, Chapel Hill Baptist Church
Dr. Das Kelley Barnett, Minister of Chapel Hill Baptist Church

2:30 P. M.—Degree Candidates Gather in Caps and Gowns at Person Hall Art Gallery

3:00 P. M.—Graduation Exercises, Hill Music Hall
The National Anthem

Presiding—Robert Burton House, *Dean of Administration*

INVOCATION

CONFERRING OF DEGREES IN COURSE

Candidates for Degrees Presented by Their Academic Deans

AWARD OF DIPLOMAS

Chairman of Board of Trustees
President Frank Porter Graham

FAREWELL MESSAGE FROM THE UNIVERSITY
President Frank Porter Graham

Hark The Sound of Tar Heel Voices

4:30 P. M.—Reception for Graduates, Guests, and Faculty—Graham Memorial Student Union

BACHELORS OF ARTS

Mary Jean Afflick
*Maurice Eugene Bobbitt
Gertrudis Brográn
Thelma Elizabeth Bolick
*Beverly Jean Booth
Madeleine Fauvre
Charles Wilburn Gordon, Jr.
Robert Eugene Grant
Paul Grun
Robert William Joyce
Bernard Kaplan
Gwendolyn Evette London
Ann Lynn MacDonald
Josephine Moore
Sarah Elizabeth Niven
Betty Carol Seligman (with honors in English)
Emma Virginia Spivey
Anne Strause
Violet Cruser Taylor
Hilda Pearl Weaver
Julia Foster Weed
Cyrus Edward Whitfield
*Myra Hyacinth Willis

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Jacquelyn Sidney Campen
Jo Ann Griffith
Helen Joanne Edson

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John Brownie Newman

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John Clifton Canipe, Jr.
Morrison Rankin Caruthers
Malcolm Keith Fearing, Jr.
Marguerite Elizabeth Hahl
William Herbert Hollowell, Jr.
Clyde Anthony Johnston
Norfleet Owen McDowell, Jr.
William Alexander Morton
Aubry DeVaughn Richardson
Anna Frances Rimmer
Richard Cole Scharff
James Ralph Teague
Muriel Ann Upchurch
Wesley Russell Viall, Jr.

BACHELORS OF SCIENCE IN LIBRARY SCIENCE

Margaret Maffitt Atwood
*Nancy Love Comfort
*Eleanor Marshall Smith
Lena Mae Williams

PROFESSIONAL GRADUATE DEGREES
MASTER OF PUBLIC HEALTH

*Terry Bird

MASTERS OF SCIENCE IN PUBLIC HEALTH

Mary Ann Babich
Mary Louise Gladish
Alice T. Griesemer
Doris Mae Hinman
Evelyn Rahm
Charity Eva Williams Shively

MASTER OF EDUCATION

Clement Wake Twiford

GRADUATE DEGREES
MASTER OF ARTS IN EDUCATION

Woodrow Wilson Hartsell

MASTERS OF ARTS

Sophia Spivey Cody
Ruth Granbery Lynch
Carl Maneval Smith

DOCTOR OF PHILOSOPHY

William Harry Joubert, *Economics*
Thesis: *History of Freight Rates in the South*

* Absent by permission.

ANNUAL COMMENCEMENT, JUNE 5, 1944

KENAN STADIUM

The University Concert Band, EARL A. SLOCUM, *Director*

ACADEMIC PROCESSION

THE NATIONAL ANTHEM

* * *

Presiding—Robert Burton House, *Dean of Administration*

PRAYER—Rev. J. Marvin Culbreth

THE PRESIDENT OF THE SENIOR CLASS, Robert N. Burleigh

CONFERRING OF DEGREES IN COURSE

The Governor of North Carolina, J. Melville Broughton

CONFERRING OF HONORARY DEGREES

The President of the University, Frank Porter Graham

HARK THE SOUND OF TAR HEEL VOICES

BENEDICTION

ANNOUNCEMENTS

MEDALS, PRIZES, AWARDS, AND FELLOWSHIPS

The Eben Alexander Prize in Greek.....*Elizabeth Terry Couch*
The Archibald Henderson Medal in Mathematics.....*Howard Gray*
The Graham Kenan Fellowship in Philosophy.....*Robert Sidney Lax*
The Patterson Medal.....*George Denman Hammond*
The Roland Holt Award in Playwriting....*Thomas Arrington Avera, Jr.*
The Rockefeller Fellowships in Playwriting....*John Carrington Cross, Anne M. Osterhout, Shirley Pic, Elizabeth Bogue Stoney, Betty LaRoche Taylor.*
The Alpha Chi Sigma Award in Chemistry.....*Jesse N. Williams*
The Ledoux Fellowship in Chemistry.....*Mildred Kinnory*
Valkyrie Cup.....*Mary Lou Truslow*
The Algernon Sydney Sullivan Awards.....*John Alston Ellis, Jr.*
Margaret Pickard
The Ernest H. Abernethy Publications Award.....*Sara Yokley*
Honorable mention: W. Horace Carter and Wayne Kernodle
The John J. Parker, Jr., Medal.....*George Denman Hammond*
The Chi Omega Prize.....*Marnette Wood Chesnutt*
The Foy Roberson, Junior, Medal.....*Jack Samuel Fitch*
The Buxton Williams Hunter Medal in Pharmacy
Aubrey DeVane Richardson
The Lehn and Fink Gold Medal in Pharmacy..*Clyde Anthony Johnston*

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James Bedigian
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*Leisa Graeme Bronson
*Helen Bell Broughton
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†*Carl Kight Burgess, Jr.
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Marnette Wood Chesnutt
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Sarah Foreman Cockey
*Joffre Lanning Coe
Charles Fortunato Coira
Georgia Marie Coleman
Mary Jane Coleman
Maurine Jeanette Coley
Helen Ruth Corwin
Anne Louise Craig
Olive Marwood Cranston
Blanche Adele Crocker
Edith Louise Crockford
Margaret Darrough
Sarah Irwin Davis
(with honors in English)
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Ruth Dubrow
*Sue Dunlap
Clara DeBardeleben Ebaugh
Gladys Florence Epstein
*Guy Cone Farmer
Katherine Stuart Flanagan
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Frona Evelyn Fox
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*Julia Anne Funk
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*Alice Howell Gary
Elinor Gershon
Isla Cutchin Gorham
Adele Bernice Greenberg
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*Milton Robert Hahn
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*Jay McDonald Hodges, Jr.
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*Imla Cresson Holloway, Jr.
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*William Francis Krevit
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Kathleen Edna Lard
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*Sarah Louise Leatherwood
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Harry M. Levine
*Nojem Libson
Mary Elizabeth Lindsay

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† As of June 1, 1943.

Jean Holmes Lochridge
†*James Lubien Loeb
*Ruth Amis Luster
Jean Horton Lyon
Maysie Sloan Lyons
*Lucy Mercer Marbury
Clare Johnson Marley
Mildred Pryor McCrary
Kathryn Gray McGimsey
*George Ian Robertson McMahon
Laura Sudler Mifflin
Beverly Anne Money
Anderene Natolia Moreau
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†*Joseph Charles O'Kelley
*Lorraine Gould Oldham
*Athena Geanetos Parker
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*Lois Phillips
Margaret Henderson Phillips
Margaret Pickard
Eva Louise Platt
Billie Sutherland Pobst
Richard Heath Pollock
Nananne Porcher
Robert McLean Pottle
Sue Kimball Reynolds
Helen Harwell Rhodes
Roslyn Greenblatt Ribner
†*George Ewart Rives
Mary Katherine Roper
*Hartley Samolar Rowe
*Jane Ruggles
Betty Ann Scheer
Dorothy Jane Schmuhl
Margaret Ann Sells
Eleanor Winn Shelton
Sybil Benton Sholar
Marcia Van Valkenburgh Shufelt
Carolyn Pegues Smith
Nancy Jean Smith
Norma Lee Smith
Fay Smithdeal
Polly Frances Squire
Barbara Helene Staff
Hazel Brand Taylor
Anne Jackson Thatcher
Pamela Elizabeth Thompson
Helen Hamrick Threadgill
Emily Jane Thuston
*Mary Elizabeth Vaughan
Sara Poole Wadsworth
James Wilson Walker
Hez Walters, Jr.
Mary Elizabeth Walters
Sarah Lou Warren
Katherine Morrow Watters
Ann West
(with highest honors in English)
Maud Ann West
*Frank Reginald Wheeler, Jr.
Frances Helen White
Alice France Willis
Dean Flewellyn Winn, Jr.
Carol Virginia Wolff
†*Joseph Ellis Zaytoun

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*Kathryn Collins Miller

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Dorothy Mallett Brown
Harriet Carolyn Browning
Jane Cavenaugh
Olive Price Charters
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Margaret Hyman
Frances Sylvia Johnston
†*Paul Komisaruk
Harry Stuart Large
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†*Harry Griffith Shalett
Olivia Anne Smith
Georgia Helen Webb
Sara Woodside Woodhouse
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Harold Hastings Newman, Jr.
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Arlin Langston McKnight
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Hazel Hughey Skeen
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Wilma Sibil Bridges
Virginia Dare Whitson

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† As of June 1, 1943.
‡ As of March 19, 1944.

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*Lucille Elinor Brownell
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*Abby DeShazo
*Marjorie B. Eastabrooks
Ann Eliza Elliot
*Ellen C. Feusner
*Marcelo Gallardo-Céspedes
Maribelle Guin
*Esther P. Huseman
Sarah Elizabeth Lovell
*Mary Ellen McCartha
Margaret Grace McDaniel
*Ruth Deloris Rains Pretlow
João Cãncio Póvoa Filho
*Evelyn Rahm
Próspero Ruiz Restrepo
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MASTER OF SCIENCE IN SANITARY ENGINEERING

*Virgilio Ernesto Perez-Bernal

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Raymond Nelson Andes
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*Thomas Arrington Avera, Jr.
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Ruth McKaughan Carter
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Himilce Ana Esteve Abril
*John Edward Farrior
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Charles Maddry Freeman
Gustavo René Hernández
*Katharine Lackey
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Ruth Carolyn Oncley
*Frances Goodier Pritchett
*Louise Gail Schmeisser
Mary-Averett Seelye
Ruth Heffner Self
Doris Rebecca Sharpe
*Sally Meredith Sieber
George Lee Simpson, Jr.
Leslie Woodzelle Syron
*Eleanor Tapp
*Mary Olive Thomas
*Miriam Henrietta Thompson
*Clinton Ross Vanneman
Lila Peck Walker
Frances Marian Wright

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DOCTORS OF PHILOSOPHY

William Thomson Dye, Jr., *Chemistry*
Thesis: A Study of the Hydrolytic Stability of Organic Halogenated Compounds.

Sibyl Henry, *Education*
Thesis: Children's Audiograms in Relation to Reading Attainment.

Myrtis Tureman Kurz, *English*
Thesis: Health Books of Renaissance England.

Ben Gray Lumpkin, *English*
Thesis: Diversity in the Characters Portrayed in Southern Regional Short Stories of the Nineteenth Century.

John Caldwell McCampbell, *Geology*
Thesis: Further Geomagnetic Evidences as to the Origin of the Carolina Bays.

Edward Emerson Towell, *Chemistry*
Thesis: The Action of Aromatic Orthodiamines with Alpha-diketones.

Thomas Stanford Tutwiler, *Chemistry*
Thesis: Investigation of the Properties of Synthetic Organic Ion-Exchange Resins.

HONORARY DEGREES

DOCTORS OF LAWS

Wilburt Cornell Davison
William Rand Kenan, Jr.
Charles Grandison Rose

DOCTOR OF SCIENCE

Edward Mack, Jr.

THE UNIVERSITY OF NORTH CAROLINA
CHAPEL HILL

GRADUATION EXERCISES

MARKING THE CLOSE OF THE V-12 TERM
SATURDAY, JUNE 24, 1944

Presiding—Robert Burton House, *Dean of Administration*

INVOCATION
THE NATIONAL ANTHEM
CONFERRING OF DEGREES IN COURSE

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Julius Amer
Richard Frederic Bliss
*Paul Eliot Green, Jr.
Thomas William Kitchens
*Norman Frederick Tepper
Joseph Edmund Welch
Frank James Wideman, Jr.

BACHELOR OF ARTS IN JOURNALISM

Marshall McVay Austin

CERTIFICATES—COLLEGE FOR WAR TRAINING

ADDRESS—Judge Henry L. Stevens, Jr.
FAREWELL
HARK THE SOUND

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Guy Hudson Andrews
Howard Paul Aronson
James Paul Arritt
Lawrence Cornilius Ashby
William Rufus Ayers
Daniel Hurlbut Ball
Harold Ray Banga
Marion Carlisle Barker
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Roy Elton Forehand, Jr.
Jacob Albert Foss
Clyde James Frantz
Nathaniel Williams Garrison
James Bruce Gascoigne
John Gately
Wilton Carlyle Gay
Leonard Statham Gilliam
Edward A. Goodman
John T. Gregory
Herman Grossman
John Rohan Guilfoyle III
Melvin O'Neal Hall
John Lindsay Hallett
Alton Webb Hancock
Luby Alexander Harper
Alvin Richard Harris
Richard Thomas Harris
Stuart Harris
Robert Charles Harter
Philas Jackson Hartsell
Erwin Joseph Hauber
Virgil Daniel Hawks
Charles Matthew Hedrick
William Paul Herman
Melvin Albert Hiatt
Paul Grant Hicks
Robert L. Hines
Thomas Edward Hockaday
Harold William Hodge
Gray Hodges
Ralph Frederick Hodges
Edmund Friese Hoey II.
Charles Shannon Homan
William Boyce Hood
Donnell Howard
William Rea Howard
John Buford Hendrick Hudson
Henri Huse
James Arthur Hyde
William F. Ingraham
Simon Arthur Jacobson
William Harvey Jagoe
Marshall Hardy Johnson 110

Walter Ira Jones
John Hugh Justice
Richard Ason Katz
M. J. Kehrberg
Wallace Waldo Kent
John Berkey Kentch
Erich Karl Krugman
Harry Hays Lattimore
Robert C. Lawch
William Andrew Liddell
Robert Roland Lindquist
Edmund Strudwick Ashe Little
Frederick Pembroke Loeffler
Clarence S. Loggans, Jr.
Peter Lowry Long
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Robert Calvin Marbach
Maurice K. Marshall
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William Thomas Mason II
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Van Patrick McClellan
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Julian A. McKenzie
Donald Lee McKinney
Moran Dortch McLendon
James Otis Miller, Jr.
Milton Roscoe Miller
Leon C. Mitchell
Emanuel R. Morris
John Page Morrissett
Joel Williams Murchison
Isidore Louis Nachimow
Anthony Francis Nasiadka
Donald Hartoig Nelson
Edwin Ray Nelson
Donald Isaiah Newman
Edwin James Norris
Edward Sylvester Nuss
Irvin Jacob Nygren, Jr.
Leonard Lee Oettinger, Jr.
Boyce Miller Olive
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John Edward Richardson
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Thomas Davis Tuomey, Jr.
Garnett Ray Turner
Gino Salvador Valenti
John Lyle Vanek
Jack Hooks VanZandt
Jack Calvin Vaughan
Kenneth Edwin Vincent
Albert Jessie Wallace
William Creed Wampler
Chester Baldwin Waterman
John Benton Webb
Julian Irwin Weinkle
Richard Weintraub
Harry Walker Wellford
Gerald Daniel Wheeler 172

Alfred Williams III
Augustus McGhee Wilson
James Doliver Wilson
Donald Robinson Wood
William Elliott Wood
Carl Christian Wooten
Ford Stedman Worthy
Donald Wright

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Samuel Arbes
Maurice Cavileer Ashley, Jr.
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Ferrell Leighton Blount, Jr.
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William Colon Byrd, Jr.
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John Ivy Connors, Jr.
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Edwin Forrest Dodge, Jr.
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Raymond Browning Ingram
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Wiliam Kermit Crawley
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Suzanne Feld
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Nancy Ware Harris
Margaret Garland Harvie
Sue Somerville Harwood
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George Franklin Hill, Jr.
Edward Twyman Hodges
Jane Elizabeth Johnson
Herbert Lyman Kimmel
Richard S. Lessler
Nettie Frances Lewis
Forrest Battle Long
Hugh Lauchlin McLaurin
John Diffely Miller II
Alice Elizabeth Morgan
Jim Upton Oliver
Elizabeth Perrow Putnam
Joseph Stafford Redding

John Thomas Robison
Herbert Horton Rountree
Shirley Ann Schellenberg
Judith Donald Scott
Harvey Hirst Segal
Irwin William Sklarsky
Elizabeth Bogue Stoney
Mortimer Joseph Tomashoff
Marvin D. Veronée
Henry Thomas Webb, Jr.
Kathleen Ita Winters

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Doretha Farmer

BACHELOR OF ARTS IN JOURNALISM

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Lloyd Steadman Nelson
George Oliver Pruett

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

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Elizabeth Bittle
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Edna Ruth Jones
Grace Evelyn Lawrence
Virginia Louise Lawson
Marion Wesley Lee
Mary Ross Paysinger
Marion Hartley Rigdon
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J. W. Byers
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Alden Royal Tomberlin
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GRADUATE DEGREES

MASTER OF SCIENCE

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MASTERS OF SCIENCE IN SOCIAL WORK

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Walter Gordon Browder, *Sociology*
Thesis: The Pattern of Internal Mobility in Texas as Revealed by the School Census.

David Lewis Cook, *Chemistry*
Thesis: Some Physical and Chemical Properties of Ketene and Ketene Dimer.

Archie Herman Germany, *Chemistry*
Thesis: The Nitration of Acenaphthene and Related Compounds.

Max Liles Griffin, *English*
Thesis: The Relations with the South of Six Major Northern Writers, 1830-1861.

Beverly Turpin Moss, *Classics*
Thesis: Sextus Aurelius Victor—*Liber de Caesaribus:* A Translation and Commentary with Introduction and Notes.

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